BMW Motorrad

Workshop installation instructions

Aluminium cylinder-head cover guard

NOTICE
The described reconstruction of the ground connection of the vehicles R 1200 GS (K25, 0450/0460), R 1200 RT (R 900 RT) (K26/11, 0430/0440, 0330/0340) and R 1200 R (K27, 0400/0490) is not possible, as it is positioned at another location.

Order No. 77 01 8 356 878 BMW Motorrad 04/2016
Before commencing work, you must read these installation instructions through carefully and make sure you understand them fully.

BMW Motorrad recommends having this installation kit installed by a specialist workshop with the requisite special tools, preferably an authorised BMW Motorrad dealer.
Incorrect installation and incorrect handling give rise to considerable safety risks.

The symbols used to draw attention to precautionary statements in this manual are as follows:

⚠️ CAUTION
Low-risk hazard. Non-avoidance can lead to slight or moderate injury.

⚠️ WARNING
Medium-risk hazard. Non-avoidance can lead to fatal or severe injury.

⚠️ DANGER
High-risk hazard. Non-avoidance leads to fatal or severe injury.

⚠️ ATTENTION
Special notes and precautionary measures. Non-compliance can lead to damage to the vehicle or accessory and, consequently, to voiding of the warranty.

⚠️ NOTICE
Specific instructions on how to operate, control, adjust or look after items of equipment on the motorcycle.

 ключ Tightening torque
Screws, bolts and nuts are tightened in accordance with the applicable DIN/ISO standards. Tightening torques that deviate from the standards are stated. Non-compliance can result in damage to the motorcycle or accessories or can endanger the rider.

⚠️ Start of the main activity
⚠️ End of the main activity

▷ Start of the secondary activity
◁ End of the secondary activity

♦ Instruction
♦ End of validity designation CS (construction status), OE (optional extra) or OA (optional accessory)
Aluminium cylinder-head cover guard

Requisite tools
- Torx bit
- Torque wrench

Scope of supply
- Aluminium cylinder-head cover guard, left
- Aluminium cylinder-head cover guard, right
- Buffer, rear 2 of
- Buffer, bottom 2 of
- Socket-head screw, M6 X 25 6 of
- Spacing bushing 6 of
- Left and right edge guard, each 408 mm long 2 of

General instructions

ATTENTION
Vehicle not securely propped
Risk of damage to parts if vehicle topples
• Prop the vehicle securely.
1

- **Preparing left aluminium cylinder-head cover guard**
  - Seat bottom buffer (1) in the recesses (arrows) in aluminium cylinder-head cover guard (2).
  - Seat rear buffer (3) in the milled recess (arrow) in the aluminium cylinder-head cover guard.

2

- **Install left edge guard on aluminium cylinder-head cover guard**
  - Install left edge guard (1) on upper edge (arrow) on aluminium cover guard (2).
3 Removing left screws
- Remove screws (1) on left.

4 Installing left aluminium cylinder-head cover guard
- Hold the aluminium cylinder-head cover guard in position.
- Install spacing bushing (1) and tighten front screw (2) until hand-tight.
- Install spacing bushing (3) and tighten bottom screw (4) until hand-tight.
- Install spacing bushing (5) and tighten top screw (6) until hand-tight.
- Tighten all screws.

<table>
<thead>
<tr>
<th>Tightening torques</th>
</tr>
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<tbody>
<tr>
<td>Cover/guard to cylinder head</td>
</tr>
<tr>
<td>M6 x 25</td>
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</table>

5 Preparing right aluminium cylinder-head cover guard
- Seat bottom buffer (1) in the recesses (arrows) in aluminium cylinder-head cover guard (2).
6

- Install right edge guard on aluminium cylinder-head cover guard
  - Install right edge guard (1) on upper edge (arrows) on aluminium-head cover guard (2).

7

- Remove the ground connection

**NOTICE**
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- Seat rear buffer (3) in the milled recess (arrow) in the aluminium cylinder-head cover guard.
8

- Remove the ground connection (1) from the thread in cylinder head (2) and retain (is needed for re-use).

9

- Removing screw from cylinder cover, bottom right
  - Remove screw (1), noting bushing (2) (bushing (2) is needed for subsequent reassembly).

- Install the ground connection
  - Secure the cover (1) with ground connection (3), noting the bush (2).

<table>
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<tr>
<td>M6</td>
</tr>
</tbody>
</table>
10

- Remove the right screws of vehicles with ground connection
  - Remove screws (1).

11

- Remove the right screws of vehicles without ground connection
  - Remove screws (1).

12

- Installing right aluminium cylinder-head cover guard
  - Hold the aluminium cylinder-head cover guard in position.
  - Install spacing bushing (1) and tighten front screw (2) until hand-tight.
  - Install spacing bushing (3) and tighten bottom screw (4) until hand-tight.
  - Install spacing bushing (5) and tighten top screw (6) until hand-tight.
  - Tighten all screws.

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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 signalling 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

- Select neutral.
- Switch on the ignition.
- Neutral indicator light "N" lights up.
- Select a gear.
- Neutral indicator light "N" goes out.
- Press the starter button.
- Starter does not operate.
- Extend the side stand.
- Pull the clutch lever.
- Press the starter button.
- Starter does not operate.
- Retract the side stand.
- Press the starter button without releasing the clutch lever.
- Starter operates.

Result

Not all test steps completed successfully.

Measure

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

Always comply with the regulations regarding approval in the country of use.