

CRASH BARS BMW F 800 GS

The assembly set contains:

- crash bar left
- crash bar right
- bottom fastening left
- bottom fastening right
- aluminum spacer 22x50x11 mm (right side)
- aluminum spacer 22x35x11 mm (left side)
- aluminum spacer 20x33x9 mm x 2 (for the bottom fastening right)
- aluminum spacer 20x15x9 mm (bottom fastening left)
- hex screw M10x100mm x2 (to attach the crash bar in the top of the frame)
- socket screw M8x55mm x2 (bottom fastening right)
- socket screw M8x40mm x1szt. (bottom fastening left)
- socket screw M8x25mm x1szt. (bottom fastening left)
- socket screw M6x20mm x2szt. (bottom right linking crash bar with the fastening) with 2 washers M6
- socket screw M6x30mm x2szt. (bottom left linking crash bar with the fastening) with 2 nuts and 4 washers M6
- socket screw M6x30mm with 2 nuts and 4 washers (linking right and left crash bar)

Set in short:

- **crash bar left and right**
- **bottom fastening left and right**
- **aluminium spacers:**
 - 22x50x11mm x1
 - 22x35x11mm x1
 - 20x33x9mm x2
 - 20x15x9mm x1
- **screws:**
 - M10x100mm x2
 - M8x55mm x2
 - M8x40mm x1
 - M8x25mm x1
 - M6x20mm x2
 - M6x30mm x4
- **nut M6 x6**
- **washer M6 x10**

❖ **step 1& 2** – fastening instalation

Attention: Do not tighten the bolts until the set is installed on both sides.

Attach the bottom left and right fastenings to the engine block (left fastening is straight, right is curved – see picture 1 & 2)

fot.1 – left side



fot.2 – right side



Before screwing we are putting aluminium spacers; up to right fixing 2 spacers 20x33x9mm and up to the left 1spacer 20x15x9mm

To the fastenings we are using socket screws: right side M 8x55 mm with washers and on the left side M 8x40 mm (the one which goes through the spacer) and M 8x25 mm with washers.

❖ **step 3& 4** – crash bars instalation

We are unscrewing original screw from the top of the frame and putting aluminium spacer 20x50x11 mm, we are attaching right crash bar and screwing with screw M 10x100 mm with washer. At the bottom we are linking the crash bar with the fastening (use screws M 60x30 mm).

The same with the right side, only the aluminium spacer is different: 20x35x11 mm.

fot.3 – right side



for.4 – left side



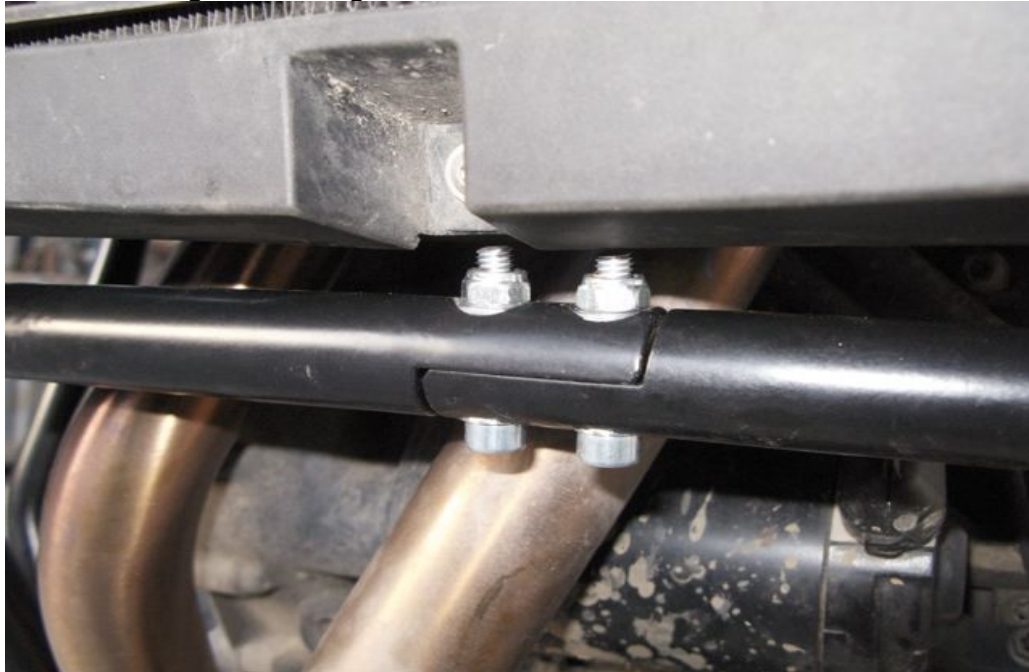
❖ **step 5**

We are linking both crash bars together using 2 socket screws M 6x30, 4 washers and 2 nuts (fot. 5).

We are making sure that the complete crash bar is installed properly on both sides and than we are tightening all screws.

the end

Fot.5 – linking of left & right crash bar



fot.6 properly installed set

