



**OUTBACK  
MOTORTEK**

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## Installation Instructions >> Crash Bars >> BMW F650/700/800GS

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Thank you for trusting Outback Motortek with your purchase of our product. Hope you will find pride in installing and showing off the item you are just about to open. Outback Motortek products are designed and tested in Ontario, Canada and engineered and manufactured in the European Union, Hungary.

“Till the wheels fall off”

Lorry Gombos  
Founder and owner  
Outback Motortek

See attached pages for product kit, recommended tools and recommended torque specs.



1.

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1. Remove the engine mount bolt on the right side (rider's right) . Pull out the bolt slowly and watch for the aluminum stand-off/spacer between the chassis and the engine.



2. Mount the right side crash bar.



2.

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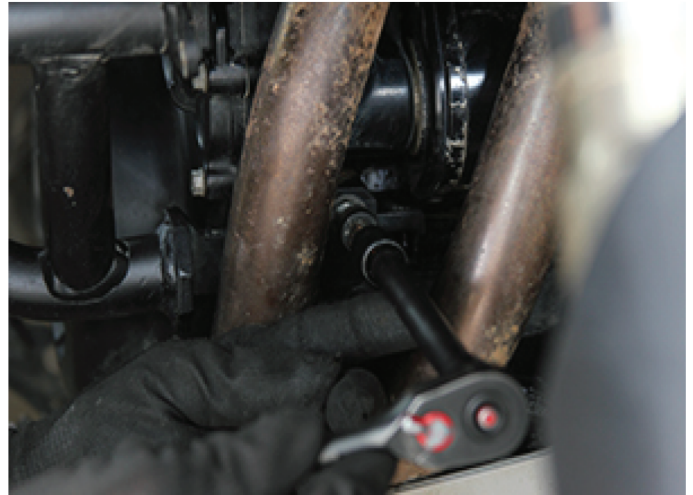
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3. Make sure to place the stand-off before inserting the M8 bolt. Go ahead and thread in the bolt but do not tighten it yet. Use the T45 torx socket and the ratchet extension.



4. Thread in the M8x30mm Allen bolt but do not tighten it, yet.



3.

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## OUTBACK MOTORCYCLE

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5. Place the connector tube on the right side crash bar and fasten the two M6x16mm Allen button head bolts using the 4mm Allen key and the 10mm wrench. Do not fully tighten them, yet.



6. Mount the left side crash bar and repeat steps 3 and 4.



4.

7. Fasten the remaining two M6x16mm Allen bolt, washer and nyloc nuts and now **make sure all the bolts and nuts are tightened.**

Congratulations! You've completed installing your Outback Motortek product.



Should you have any question regarding the installation, please contact us at [info@outbackmotortek.com](mailto:info@outbackmotortek.com)

or call toll free at 1 877 931 3636

**Important!** Outback Motortek recommends its customer to install their products by a certified, experienced motorcycle mechanic. Outback Motortek assumes no liability for any accident, injury, death, loss, or other claim related to or resulting from the use of its products. In no event shall Outback Motortek be liable for incidental or consequential damages relating to or resulting from the use of its product or any of its parts.

5.

**PRODUCT KIT AND RECOMMENDED TOOLS**

- 1) TORQUE WRENCH
  - 2) M8 ALLEN SOCKET
  - 3) T45 TORX SOCKET
  - 4) M4 ALLEN KEY
  - 5) 3/8" RATCHET
  - 6) RATCHET EXTENSION
  - 7) 10MM WRENCH
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- 8) 2X M10X30 8.8 ALLEN BOLTS
  - 9) 4X M6X16MM BUTTON HEAD ALLEN+WASHERS+NYLOC NUTS
  - 10) CRASH BARS CONNECTOR PIECE



6.



**Table a. General bolt tightening torques in Nm (max. permissible)**

Bolt diameter	Bolt Class (according to DIN 267)					
	5.6	5.8	6.8	8.8	10.9	12.9
M5	2.5	3.5	4.5	6	8	10
M6	4.5	6	7.5 <small>5.5 ft lb</small>	10 <small>7.4 ft lb</small>	14 <small>10.3 ft lb</small>	17
M8	11	15 <small>11.1 ft lb</small>	18 <small>13.3 ft lb</small>	24 <small>17.7 ft lb</small>	34 <small>25.1 ft lb</small>	40
M10	23	30 <small>22.1 ft lb</small>	36 <small>26.6 ft lb</small>	47 <small>34.6 ft lb</small>	66 <small>48.7 ft lb</small>	79
M12	39	52 <small>38.4 ft lb</small>	62 <small>45.7 ft lb</small>	82 <small>60.5 ft lb</small>	115	140
M14	62	82	98	130	180	220
M16	94	126	150	200	280	340
M18	130	174	210	280	390	470