



**OUTBACK  
MOTORTEK**

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Installation Manual >> Upper Crash Bars >> Africa Twin 1000

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



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Installation Manual >> Upper Crash Bars >> Africa Twin 1000

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1. First of all, your Outback Motortek lower crash bars must be mounted.



2. Using a 12mm wrench or 12mm socket and ratchet combo remove the two factory bolts that secure the front fairing bracket to the bike frame at the head stock.  
You'll not need to re-install these bolts.



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3. Mount the supplied upper bracket.



4.



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5. Insert both supplied M8x30mm Allen bolts. The upper factory nut is welded on but you'll have to re-use the factory lower nut. Leave it loose for now.

6. Mount the left side crash bar.



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7. Secure the left side by adding the counter part of both of the "C" shaped clamps.

8. Repeat step #6 and #7 on the left side.



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9. Thread on both supplied M8 locking nuts to complete connecting the left and right side crash bars.

**10. Finally, go ahead and tighten all the bolts and nuts to torque specs and make sure to check again after going out for a test ride.**



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 lb</small>	10 <small>7.4 lb</small>	14 <small>10.3 lb</small>	17
M8	11 <small>11.1 lb</small>	15 <small>13.3 lb</small>	18 <small>17.7 lb</small>	24 <small>35.6 lb</small>	34 <small>46.7 lb</small>	40
M10	23 <small>29.1 lb</small>	30 <small>26.3 lb</small>	36 <small>45.7 lb</small>	47 <small>60.5 lb</small>	66 <small>89.1 lb</small>	79
M12	39 <small>39.4 lb</small>	52 <small>45.7 lb</small>	62 <small>45.7 lb</small>	82 <small>60.5 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

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**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 note!** 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.

## Recommended tools and hardware list

1. 6mm Allen key
2. 10mm and 13mm wrench
3. Ratchet extension
4. 12 mm and 13mm socket
5. Ratchet
6. 4x "C" shaped clamps
7. 8x 6x30mm Allen bolts+washers+nuts
8. 2x 8x30mm Allen bolt+washers
9. M8 locking nuts+washers
10. Upper bracket

