



OUTBACK
MOTORTEK

Installation Instructions >> Crash Bars >> Africa Twin 1000

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

- Important: In case you have purchased our**
- Crash Guards Combo**
- Ultimate Protection Combo**
- or Ultimate Protection Combo MAX**

**Please note that the first item to install is the crash bars,
second is the engine guards, third is the skid plate and the final piece is the upper crash bars.
Some installation steps of the crash bars and engine guards merge.**



1.

Installation Instructions >> Crash Bars >> Africa Twin 1000

**Caution: make sure that the exhaust system,
the engine and other engine components are cooled
down to be able to work near it. You may have contact
with the above parts during the installation.**

Adventure Sport model: please follow the additional
steps at the back of the installation manual to prepare
your motorcycle for the crash bars installation.

1. DCT only: begin by removing the plastic cover on the
left hand side (rider's left) near the tool box. Use a 5mm
Allen socket and extension or 5mm Allen key.



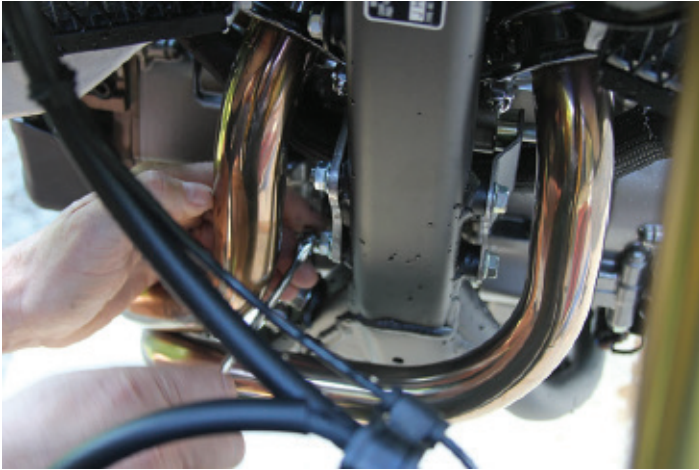
2. Remove the upper rear through bolt using a 14mm socket
with extension and ratchet. Do not lose the spacer while
removing the bolt. You'll have to use it again.



2.

COLTEBFACI4 INCOTCORTEI4

3. Remove the lower rear through bolt using a 12mm socket, extension and ratchet.



4. Mount the crash bars cross brace.



3.

COLTEBFACI4 INCOTCORTEI4

5. Insert the supplied M8x110 and M10x110mm through bolts (both the upper and lower) and make sure to put the factory and the supplied spacer back. Thread on the factory nyloc nuts from the other side.

If you're mounting engine guards, add the supplied black hexagon-head through bolts.



6. Remove the three bolts on the rider's right side. Use a 12mm socket, extension and ratchet.

Important note: carefully remove the spacer from behind the three-point metal plate connector.



4.

Installation Instructions >> Crash Bars >> Africa Twin 1000

7. Insert the factory bolts through both ends (lower and upper) of the crash bars' mounting plate and place the spacers back on.



8. Very gently begin mounting the rear tab while being careful not to lose the spacers.



5.

Installation Instructions >> Crash Bars >> Africa Twin 1000

9. Once the tab is in place, try to hand-thread the bolts and the nut. It may help to gently move around the tab with one hand to line up the mounting holes with the bolts.



10. Feed through the M6 bolts to connect the crash bar with the cross brace. Place the washer and thread on the nut from the other side.



6.

OUTBACK MOTORCYCLE

11. Using a 12mm socket and extension, thread the bolts farther in but do not tighten them just yet.



12. Using a 12mm wrench, gently tighten the nut but do not fully tighten it, yet.



7.

OUTBACK MOTORCYCLE

13. Next step is mounting the left side crash bars as shown in the image below.



14. We suggest you feed one of the 6mm hexagon-head bolts through the front mounting tab to partially secure the crash bar. Don't forget to add the washer and locking nut.



8.

Installation Instructions >> Crash Bars >> Africa Twin 1000

15. Now that the left side crash bar has been secured at the front tab, you can place on the rear clamp. Short side will be placed forward towards the front wheel of your Africa Twin.



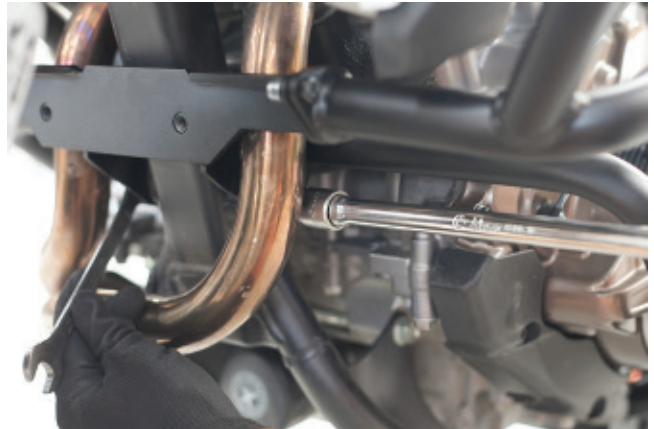
16. With the clamp in place, hand-thread the M8 Allen bolts (No. 9 on "Hardware list" page). Don't forget to add the washers and use blue thread-locking fluid.



9.

Installation Instructions >> Crash Bars >> Africa Twin 1000

17. 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. **Note: if you're mounting our engine guards, then only tighten all the bolts and nuts when you have completed mounting the engine guards.**



10.

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



Should you have any question regarding the installation, please contact us at 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.

11.

Installation Instructions >> Crash Bars >> Africa Twin 1000

Recommended tools and supplied hardware



1. Ratchet
2. 12mm wrench
3. 10mm wrench
4. 4mm Allen key
5. Extension
6. 17mm socket
7. 14mm socket
8. 12mm socket
9. M8x20mm Allen bolts+washers
10. 4x M6x20mm hex head bolts +washers+nyloc nuts
11. Spacer
12. M8x110mm hex through bolt+washer
13. M10x110mm hex through bolt+washer
14. "C" clamp
15. Cross brace
16. 6mm Allen socket

12.

Adventure Sports additional installation steps

1. First and foremost, remove the Honda original crash bars and skid plate.

2. Remove the nuts from the exhaust header.

3. Repeat the same step on the left side as well.



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

Adventure Sports additional installation steps

4. With the exhaust headers loosened, you will be able to remove the through bolts that secure the Honda crash bars' lower mounting tabs. After the removal, please reassemble the exhaust headers and reinsert the upper through bolt.



5. On the left side, behind the tool box push on the tab slightly with your fingers to create some space for the crash bar's rear mounting tab. (Step #13).

