



**OUTBACK
MOTORTEK**

Installation Instructions >> Crash Bars >> Triumph Tiger 800

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

**Important note: if you're mounting the
Outback Motortek skid plate as well, be
aware that some of the steps merge.
Do not tighten the bolts and nuts until
the skid plate's been mounted.**



1.

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XC/XR models only!

1. Begin by removing the exterior bolt on the right and left hand sides.



2. Next, you'll have to remove the interior plastic panels on both sides.



2.

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XCX/XRX models!

3. Remove the plastic plugs on both sides on the interior plastic panels.



4. Using a 5mm Allen key remove the upper bolts. Again, from both right and left sides.



3.

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5. Now that the panels have been removed, keep the 5mm Allen key handy and remove the bolt and large washer inside.

Repeat on the other side as well.



6. Carry on with the 5mm Allen key to remove the Allen bolt that is on the outside of the plastic fairing. Repeat on the left side as well.



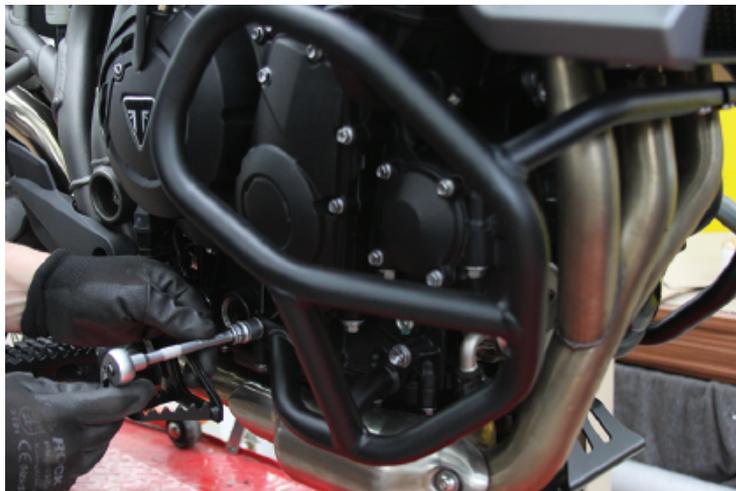
4.

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7. Remove side panels gently. No need to disconnect the turn signals but make sure to use a string to loosely hang both side panels on the side of the bike.



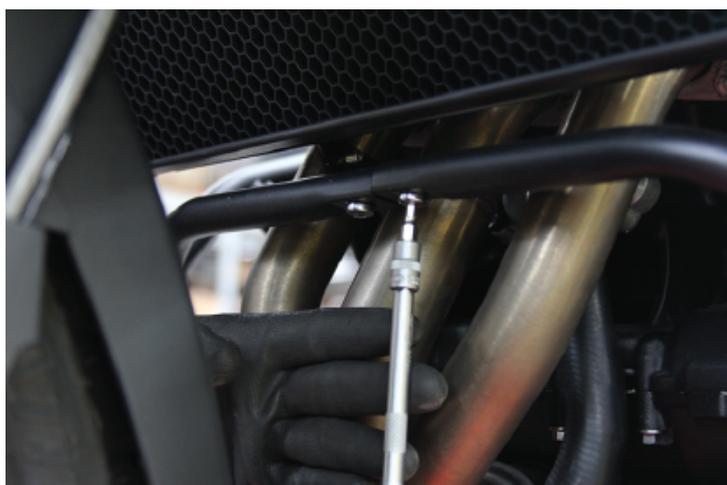
8. If applicable: remove the factory engine guards on both sides using a 12mm socket, extension and ratchet.



5.

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9. Disconnect the cross braces by removing the Allen bolts.



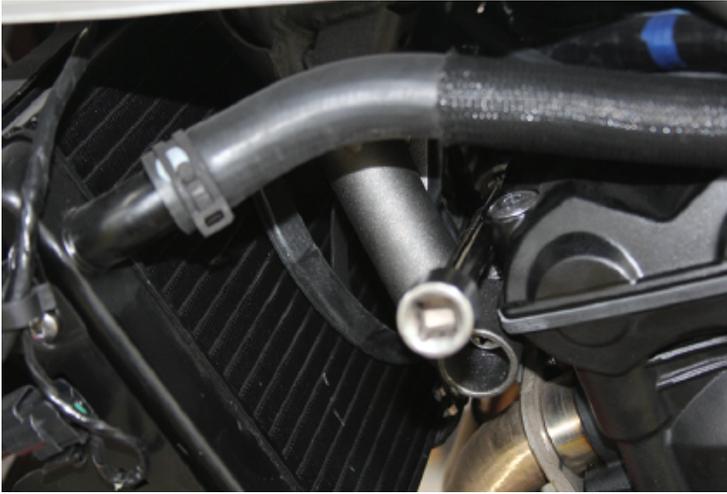
10. On the right hand side begin removing the engine through-bolt. Necessary tools: two ratchet, one short and one very long extension (12" or 30cm), M8 Allen socket (XC/XR), T50 socket torx (XCX/XRX) and one universal joint.



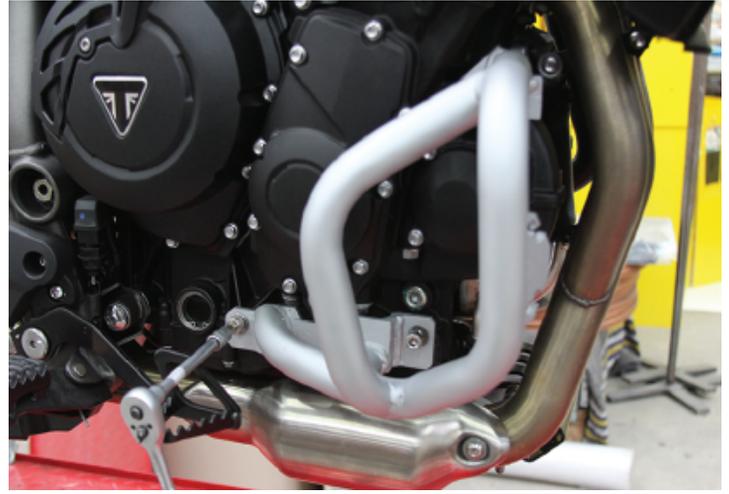
6.

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11. Using a T50 torx or 8mm Allen socket, universal joint, long extension and ratchet begin removing the through bolt.



12. Mount the engine guard on the right hand side. Make sure to use thread-locking fluid (blue) and leave all three bolts loose.



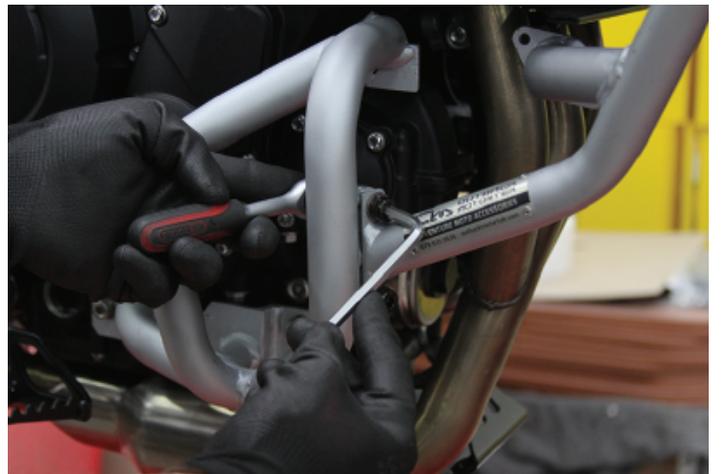
7.

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13. Mount the right side crash bar, insert the factory through bolt back in through the crash bar upper mounting tab's hole. Do not replace the factory washer. **Tighten to recommended torque specs after step 16!**



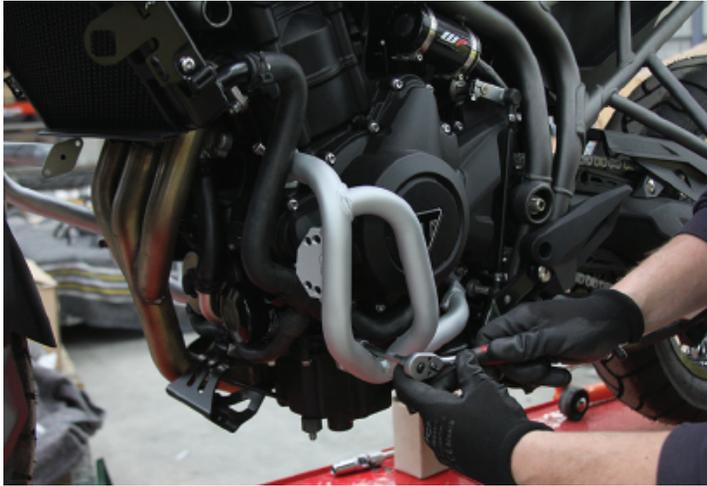
14. Insert the two M8 Allen bolts through the crash bar's lower mounting tab, thus connecting it with the engine guard. Put one washer on each of the two bolts and thread on the nyloc nuts. Gently tighten it.



8.

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15. Repeat step 12. on the left hand side



16. Repeat step 13. and 14. on the left hand side.
Do not forget to tighten the through bolt to the recommended torque specs!



9.

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17. Mount the cross brace. Insert the 6mm hex bolts. On the other side add the washers and thread on the nyloc nuts.



18. Tighten all four bolts to the recommended torque specs.



10.

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19. Replace all plastic panels.

Very important: exterior side panels will have to be gently squeezed through. We recommend covering the crash bars with a cloth, blanket or bubble wrap to avoid accidentally scratching the side panels.

11.

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20. 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.

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.

12.

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	10	14	17
M8	11	15	18	24	34	40
M10	23	30	36	47	66	79
M12	39	52	62	82	115	140
M14	62	82	98	130	180	220
M16	94	126	150	200	280	340
M18	130	174	210	280	390	470

13.

Hardware List and Recommended Tools - Triumph Tiger 800 - Crash Bars



1. Ratchet
2. Ratchet extension
3. 14mm socket
4. Universal joint
5. 6mm Allen key
6. T50 torx (ratchet compatible)
7. M8 Allen Key (ratchet compat.)
8. M4 Allen key (ratchet comp.)
9. M5 Allen key (ratchet comp.)
10. 10x M8 Allen bolts
11. 4x M8 nyloc nuts
12. 10x 8mm washers
13. M6x16mm Hex bolts+washers+nyloc nuts

14.

