



OUTBACK
MOTORTEK

Installation Instructions >> Skid Plate >> KTM 1090/1190/1290R

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. It's a family business on either side of the Atlantic Ocean. More info about us at www.OutbackMotortek.com

Lorry Gombos
Founder and owner
Outback Motortek



1.

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1. Remove the cotter pin from the bottom of the foot peg by using a pair of pliers.



2. **Highly recommended that you wear safety glasses!** Next, you'll have to remove the Clevis pin. Be very careful, torsion spring may come flying at you, so make sure to place one hand over the foot peg bracket.



2.

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3. Remove the foot peg bracket bolts. T30 torx (?)



4. Mount the left side rear skid plate mounting bracket.



3.

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5. Replace the foot peg bracket (longer bolts are recommended here?). Leave it loose for now.



6. Remove the left side engine /crash bar mounting bolt. Torx 45 (?)



4.

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7. Mount the left side front skid plate mount (elongated piece). Replace the factory engine mount bolt. Leave it loose for now.



8. Remove the torx bolt from the bottom of the rear brake master cylinder. **Make sure to replace this bolt after step 17.!!**



5.

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9. Repeat steps 1-3 on the right side of your KTM as well.



10. Mount the right side rear skid plate mounting bracket.



6.

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11. Remove the right side engine /crash bar mounting bolt.
Torx 45 (?)



12. Mount the right side front skid plate mount (short piece). Replace the factory engine mount bolt. Leave it loose for now.



7.

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13. Mount the skid plate



14. Insert the 8mm diameter Allen bolts through the right side upper mount. Thread the supplied nyloc nuts on the end. Leave it loose.



8.

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15. Repeat step 14. on the left hand side.



16. Insert the 8mm diameter Allen bolts through the left side rear mount. Thread the supplied nyloc nuts on the end. Leave it loose.



9.

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17. Insert the 8mm diameter Allen bolts through the right side upper mount. Thread the supplied nyloc nuts on the end. Leave it loose.



10.

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18. 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.



11.

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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	

12.