

Shockwave Raptor F1 Forend Installation Instructions for Mossberg 500 and 590

Thank you for your purchase of this radical new direction in forend design. To ensure a safe, correct installation of your new Shockwave Raptor F1 forend and optional heatshield, please carefully follow the instructions below:

1. First things first. Let's make sure you have everything you'll need for the installation:
 - Your **unloaded** Mossberg 500/590 firearm
 - Shockwave Raptor F1 forend
 - Shockwave Raptor F1 heatshield with securing screw (if purchased)
 - Shockwave Raptor forend nut tool (if purchased)
2. Check again to ensure your firearm is unloaded. Seriously. Please check again.
3. With your firearm pointed in a safe direction and finger off the trigger, retract the pump slide about midway—far enough to reach the takedown screw.
4. With your hands clear of the muzzle, unscrew the takedown screw.
5. Remove the barrel by sliding it forward and off your firearm, keeping your hands clear of the muzzle at all times. Set the barrel aside for now.
6. Push the pump slide fully forward.
7. Using your Shockwave Raptor forend nut tool (or other similar tool), remove the nut securing your old forend to your pump slide. The Mossberg 500 and 590 use the smaller teeth on the Raptor forend nut tool. For a particularly stuck nut, you can slip a Phillips-head screwdriver or similar steel rod through one of the pairs of holes on the tool to use as a lever. Alternatively, a rubber strap tool for removing automotive oil filters can be handy in this situation. Set the nut aside for now.
8. With the pump slide nut removed, slide the old forend off your firearm to the front. Set it aside.
9. Install the Shockwave Raptor F1 forend onto your pump slide. Note that the end with the Shockwave logos and product information go on first (toward the rear of your firearm).
10. If you have a Mossberg 590, proceed to step 11. If you have a Mossberg 500, slip the included cylindrical spacer on your pump slide. The end with the counterbored recess goes toward the front of your firearm. The pump slide nut fits into this recess.
11. Replace the pump slide nut and thread on by hand, finger tight.

12. Using your Shockwave Raptor forend nut tool (or again a similar tool), tighten the pump slide nut per the manufacturer's recommendation—approximately a quarter to a third of a turn after the nut touches the fully seated Raptor F1 forend should be snug enough.
13. Retract the pump slide to approximately the middle of your tube magazine.
14. Replace the barrel onto your firearm, keeping your hands clear of the muzzle at all times.
15. Tighten the takedown screw per the manufacturer's recommendation.
16. Push your pump slide fully forward.
17. If you purchased the optional Shockwave Raptor F1 heatshield, let's install it now. If not, skip to item 23.
18. Set the front edge of the heatshield (the end with the long legs) on your installed forend, about a half inch from the front edge of the forend—while holding the rear of the heatshield about a half inch above the forend.
19. Push the heatshield forward until you feel resistance. (Thumb pressure is all you need.)
20. At this point, begin pushing the rear of the heatshield down until it sits flush with the forend.
21. When the heatshield is fully sitting on the forend, slide the heatshield rearward in relation to the forend until the two components are flush with each other (front to rear).
22. Install the included securing screw into the small circular hole on the left side of the forend. Tighten it until snug—approximately a quarter turn after the bottom of the screw head touches the Raptor F1 forend.
23. That's it. Go and enjoy your new Shockwave Raptor F1 forend and optional heatshield. And remember to always follow the four basic rules of firearms safety:
 1. Treat all guns as if they are always loaded.
 2. Never let the muzzle cover anything that you are not willing to destroy.
 3. Keep your finger off the trigger until your sights are on target and you have made the decision to shoot.
 4. Be sure of your target and what lies beyond it.

Thank you again for your purchase. Shockwave Technologies is a small family-owned business and appreciates each and every one of our customers. Happy, safe shooting.

-Team Shockwave