



**Advanced Technology
INTERNATIONAL**

Benelli M4 Raven Stock

Part # A.1.10.1431

-Installation Instructions-

Thank you for purchasing an ATI product!



Raven Stock Installation

Point the shotgun in a safe direction and place the safety in the "on" position. Next pull back the slide, and carefully inspect the chamber to be sure the shotgun is unloaded.

Step #1

Begin by pushing the trigger guard take down pin, (which will come out almost all of the way) using a small punch.



Figure 1

Step #3

Next, unscrew the stock by turning it counterclockwise and remove from the receiver.



Figure 3

Step #4

Before installing the ATI Raven Stock to your M4 you will have to remove the buffer tube and the LOP lever from the buttstock. Begin by unscrewing the LOP lever using a 3/32" allen wrench and a T20 torx driver.



Figure 2



Figure 4A



Figure 4B

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Step #5

After unscrewing the LOP lever, pull down and remove the latch from the buttstock.



Figure 5

Step #7

Take the pistol grip and place the single point sling adapter or the blank spacer into the front of the pistol grip. If you chose the single point sling adapter, you may place it into the grip with the sling loop facing out to the right or left side of the pistol grip.



Figure 7

Step #6

Next, remove the buffer tube from the buttstock by sliding it out of the stock body.



Figure 6A

Figure 6B

Step #8

Slide the pistol grip over the bolt spring housing until it is flush with the receiver.



Figure 8

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Step #9

Next, take the provided castle nut and slide it over the bolt spring housing (with the teeth out) all the way into the rear of the pistol grip.



Figure 9

Step #11

Next, slide the buffer tube onto the bolt spring housing and into the rear of the pistol grip.



Figure 11

Step #10

Take the provided castle nut spanner wrench and slide it onto the castle nut. Engage the teeth with the slots in the castle nut. Next, take the 1" open face wrench provided and tighten the castle nut by turning the castle nut spanner wrench clockwise with the open face wrench until tight.



Figure 10A



Figure 10B

Step #12

Using a 5mm allen wrench, tighten the supplied M8-1 x 25mm flat head socket cap screw into the end of the buffer tube.



Figure 12

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Step #13

Slide the stockbody onto the buffer tube.



Figure 13

Step #15

Using the screws that you removed in step 4, and the 3/32" allen wrench and the T20 torx driver tighten the buttstock LOP lever to the bottom of the stock body.



Figure 15A



Figure 15B

Step #14

Next, you will reinstall the buttstock LOP lever by snapping it into the bottom of the stock body. The locking pin will need to be aligned with one of the six position adjustment holes when snapping into place.



Figure 13

Step #16

Next, flip your M4 upside down and with the trigger guard pin still out, take the trigger assembly and reinstall it into the firearm. To reinstall you will have to hold in the bolt release button and then seat the assembly.



Figure 16

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Step #17

To adjust the height of the cheekrest turn the adjustment dial until the cheekrest is at the desired height.



Figure 17

Step #19

Next, slide the cheekrest forward and remove from the stockbody.



Figure 19

Step #18

To adjust the tension of the slide adjustment of the stock body on the buffer tube, begin by using a T20 torx driver and unscrew the screw under the front of the cheekrest.



Figure 18A



Figure 18B

Step #20

Use a 1/4" open face wrench and loosen the two nuts on each side of the stockbody.



Figure 19

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Step #21

Next, use a 5/64" allen wrench to loosen or tighten the (2) set screws on each side of the stockbody. By loosening or tightening these set screws you will be able to set the tension of the stock on the buffer tube. Adjust all (4) set screws in small increments, testing the tension in between each adjustment of the (4) set screws until the desired tension is achieved to insure that the stock slides uniformly on the buffer tube.



Figure 21

Step #22

After you have the tension of the slide adjustment of the stock set, tighten the 2 nuts on each side of the stockbody using a 1/4" open face wrench, to insure the tension is locked in place. Apply 10 ft/lbs. of torque to the nuts to ensure they do not come loose.



Figure 22

Step #23

Next, slide the cheekrest back onto the stockbody.



Figure 23

Step #24

Use a T20 torx driver and tighten the screw in the front of the cheekrest to secure the cheekrest to the stockbody.



Figure 24

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