

OUTERWILD

OUTPOST

PROUDLY MADE IN AMERICA



AR9 LOWER RECEIVER INSTALLATION

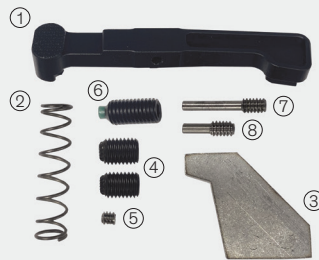


Congratulations

on your purchase of our in-house machined AR9 lower receiver by Outerwild Manufacturing.

It is the perfect foundation for your custom AR9 build. Your purchase includes proprietary components for our AR9 lower receiver. These are specific to our AR9 lower receiver and might not be compatible with other lower receivers.

Your proprietary components to start your installation:



- 1) Magazine Catch Lever
- 2) Magazine Catch Spring
- 3) Ejector
- 4) Ejector Set Screws (2)
- 5) Cap Screw for Rear Takedown Pin Detent Spring
- 6) Upper Receiver Tensioning Screw
- 7) Magazine Catch Screw
- 8) Bolt Catch Screw

STEP

Recommended magazine catch lever installation procedure:



1A

With the lower receiver laying on it's left side, place the magazine catch spring into the round recess in release lever pocket.



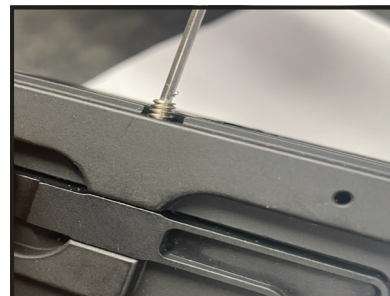
1B

Place the magazine catch lever into the pocket with the spring lined up with the protrusion on the underneath side of the magazine catch lever.



1C

Compress the magazine catch lever into the pocket and insert the magazine catch screw from the top of the receiver.



1D

Hand tighten the screw with a 1/16" hex driver. Medium strength thread locker is optional on this screw.

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DO NOT OVER-TORQUE AND STRIP THE THREADS

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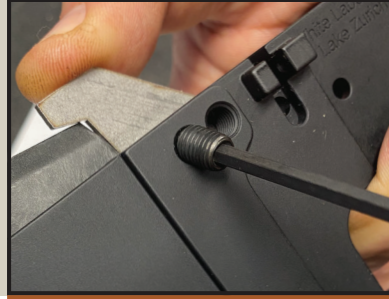
STEP
2

Recommended ejector installation procedure:



2A

To fit ejector, insert the magazine that you intend on using into the magazine well. Push ejector down to make sure it's bottomed out on the magazine.



2B

Install both of your ejector set screws.



HELPFUL HINT:

We recommend using Loctite 242 or 243 Blue when installing the ejector set screws.



NOTE: Magazine used in photo is a Magpul Magazine.

STEP
3

Recommended bolt catch installation procedure:



3A

Install the bolt catch spring with the bolt catch detent into the detent pocket.



3B

Place your bolt catch into the proper location and insert the bolt catch screw so that the bolt catch is retained. Place a small amount of medium strength thread locker onto the threads and hand tighten using a 1/16" hex driver.

STEP
4



4A

Install your rear takedown pin from the right side with the milled groove facing the rear of the lower receiver.

4B

Insert your takedown pin detent and make sure that it engages with the milled slot in the pin and prevents it from rotating.

HELPFUL HINT:

Use wire cutters and snip off approximately 1/8" of your detent spring and insert it behind the detent. This will alleviate tension in the spring.



STEP
5



5A

Insert the rear takedown pin detent spring. With a 1/16" hex driver, use the cap screw to compress the spring into the threaded takedown pin detent hole and rotate clockwise to engage the threads.



5B

Tighten the cap screw until it is flush with the rear of the receiver.

NOTE: NO thread locker to be used on this cap screw.

STEP
6

Recommended upper receiver tensioning screw installation procedure:



NOTE: This screw is not required and is used to remove any excessive play between the upper and the lower receiver.

- Place your unloaded upper receiver onto your lower receiver and secure with the pivot pin and takedown pin.
- Insert the receiver tensioning screw from the bottom using a 1/8" hex driver.
- Turn the screw until the nylon tip contacts the upper receiver.
- Increasing pressure will tighten the upper receiver to the lower.
- Too much tension will make it difficult to remove the rear takedown pin and cause premature wear in buffer tube from BCG rub.
- Once you are satisfied with the tension, install your pistol grip as normal.

NOTE: We recommend a dab of medium strength thread locker to be used on this screw.

We would love to see photos of your builds, or write us a review or comment! Marketing@OuterwildOutpost.com