

Failure to Eject and/or Stove-Piping

Failure to Extract

Generally related to:

1. Failure to Eject: The Ejector on the **lower receiver** is not tuned or positioned properly.
2. Failure to Extract: Related to the Extractor on the Upper Receiver.

EJECTOR ON THE LOWER RECEIVER

Take the lower off the upper receiver, use plyers to barely move the Ejector, ***generally to the left*** but may have to experiment. As the round is dragged out of the barrel chamber, the spent shell casing hits the ejector on the left side of the round, which then tosses it out to the right. It's a very simple device. The round leaves the chamber area at a 3pm to 4pm direction (ideal), and is now ready for the next round to get loaded.

If the round is not getting kicked in the right spot, the round will just end up bouncing around inside the chamber area, and of course as a result, a jam or **Stove-Piping**.

You can see the position of the ejector by looking down the magazine well, while the upper and lower are put together. It's important to note this, because the Bolt that's sitting above it will indicate to you whether the ejector is pointed to the left (which it is in the picture below if you look very carefully at the slight angle in relation to the Main Bolt slot).

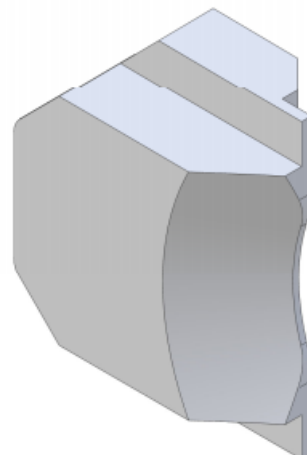


Simply put, you're going to use needle pliers to adjust the tip ever so slightly. You don't have a lot of room to move it, considering the slot of the main bolt. If you move it too much, it drags on the main bolt which will cause failure to load a round. So, minor adjustments, then shoot the gun paying attention to the way the casing is ejected. Generally, you want it coming out to your right at 90 degrees to your body, or at 3pm to 4pm. Not every round is going to perfectly go in that direction, but no round should stove pipe, and that's the point here.



FAILURE TO EXTRACT

The extractor is the small u-shaped clip that grabs the round and yanks it out of the barrel chamber after you shoot a round. This is what allows the bolt to carry the spent shell casing back, while rapidly dragging it past the Ejector, as mentioned about.



If the extractor never grabs the spent casing, it's going to just sit there in the barrel. This isn't stove-piping, this is Failure to Extract. The round never had a chance to hit the Ejector, because it was never grabbed properly.

Using a pair of needle-nosed pliers, you should be able to squeeze the extractor and hear it click as you put pressure on it. It clicks because there's a ball bearing underneath, with a spring. The click is the sound it makes when the bearing gives way, and the extractor pops over the bearing. ***It should not be a very strong squeeze to make it click.***

Generally speaking, you can tap the outer edge of the part with a screw driver, take it off but trap the bearing which will come flying out. Clean the hole, spring and bearing, but frankly that would be rare and you risk losing the bearing.

Other Options:

- a. Call or email support to discuss what's going on,
- b. or you can try to do a Main Bolt Refresh kit that essentially replaces all the parts. Go to the Accessories Page on the website please.

Tip: If you tap off the extractor to clean it all up, do not allow your hand and screwdriver to move away from wall or face of the bolt....let the extractor fall, but hold your hand tight to the bolt, **Don't let that bearing fly freely.**

Again: Keep the screwdriver or whatever tool your using, tightly held against the main bolt even after the extractor pops out, then gently release, **so that bearing and spring have a little room to simply drop to the table!**

Support: info@matadorarms.com, or open a support ticket on the website