



## Assembly Introduction

So far you've figured out what type of rifle you would like to build, you've picked out all the parts, ordered them, and now they just showed up and you're ready to build your rifle.



First, you'll want to lay out all the parts and sub assemblies according to their grouping and take an inventory to make sure you have everything you need and ordered. Use separate containers to keep things organized.

Now is the time to get your tools together, and if you have a gun mat, lay it out on the table. The one tool that you must have is a set of safety glasses. During assembly you'll be working with springs and parts under tension and having to drive pins and hammer tools against each other, so take the extra second and put on a pair of safety glasses.



It should only take about 2 to 4 hours to assemble your rifle. If you follow these instructions, and the order of how we assemble the parts, you'll avoid having to take things apart and rework.

We perform function checks of each subassembly as we build them as well. These checks are important to the process and ensure that when the rifle is complete, you don't run into problems with subassemblies when they interact with each other.

The following assembly segments are broken down into groups with subcategories that will cover various options. We will build a standard A2 Mil Spec rifle through these segments and have segments for A1 sights, free float hangers and telescoping stocks. This way you can watch only those segments which pertain to your rifle while covering all the common subassemblies across the rifle platform.



When we refer to the position or the orientation of the rifle it is always with the rifle pointed away from the shooter. So, the right hand side has the ejection port, the left side has the bolt catch.