



Market Leader In Accuracy

Welcome to Huma-Air. We design and manufacture brand- and model specific precision regulators and accessories for PCP air rifles.

By using only the highest quality materials such as aircraft grade aluminum, aluminum-bronze, chrome-moly steel and precision belleville springs, our ultra-compact regulators and accessories are high performing.

[Extended Scope Rail With Barrel Stiffener And Tensioner Kit For FX maverick by Huma-Air installation guide](#)

For adjustment tips, frequently asked questions and a complete list of installation manuals and instructions on how to adjust your Huma-Air regulator

<https://www.huma-air.com/Fitting-instructions>



Or go there directly by scanning the QR code



Before you start, realize this:

- Working on a high pressure rifle could potentially be harmful or lethal to you or bystanders if you do not know what you are doing.
- The pictures of the rifle parts in this manual are universal and meant as an example to explain the working principle. They might not be equal to the parts in your rifle.
- Do not attempt to install this item if you are not skilled to work on an air rifle; contact your local gunsmith to do the fitting.
- Installation and operation is done completely at your own risk.
- Installing this item might void your rifle's factory warranty.
- Do not attempt to fit this regulator in another rifle as mentioned in our order conformation.
- We cannot be held liable for any accidents in relation to this item and its installation.



Before you start, make sure that the rifle is unloaded, remove the magazine and make absolutely sure no pellet is still present in the barrel.

Before you start, we would like to advice you to read this complete manual before starting the installation.

Installing the Extended Scope Rail With Barrel Stiffener And Tensioner Kit For FX Maverick by Huma-Air

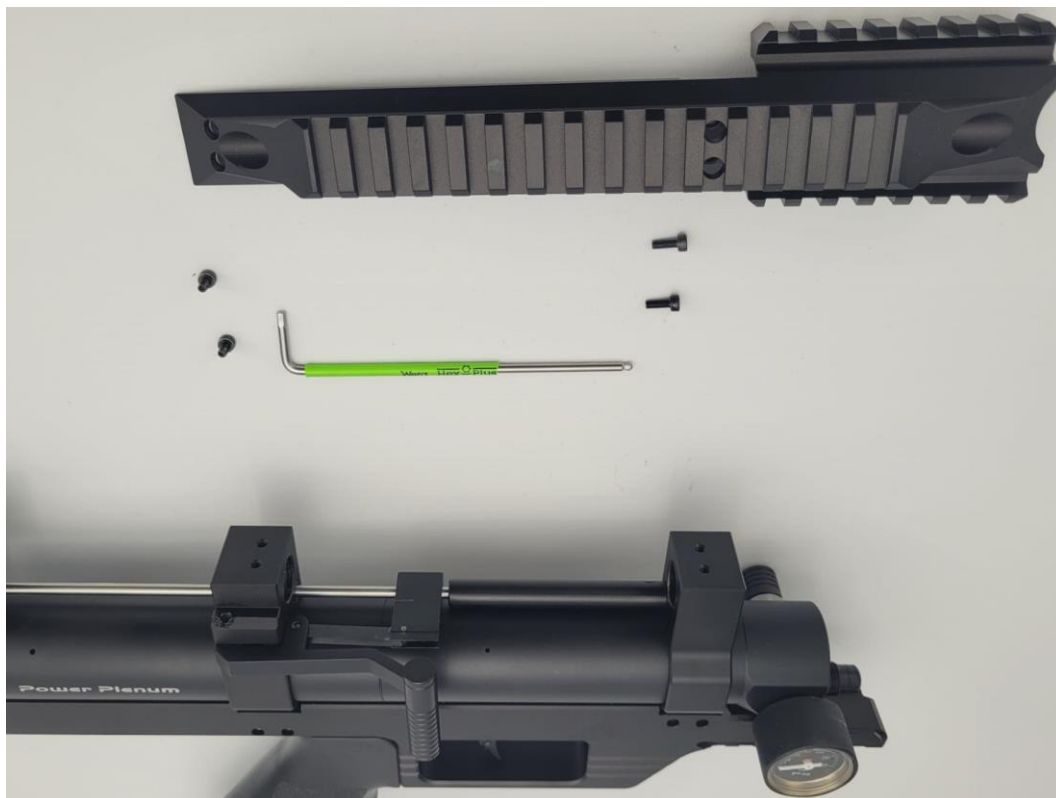
First start of by installing the clamping bucket to the rail, using the 6x supplied M3x12 screws. Use a 2,5mm hex key for this. Use some grease on the threads. We like ceramic grease for this, but some black moly grease will work equally well



Be sure you leave enough room for the FX STX barrel to pass the hole in the clamp.



Now take your Maverick and unscrew the existing top rail, using a 2,5mm hex key, after this unscrew the shroud from the rifle.



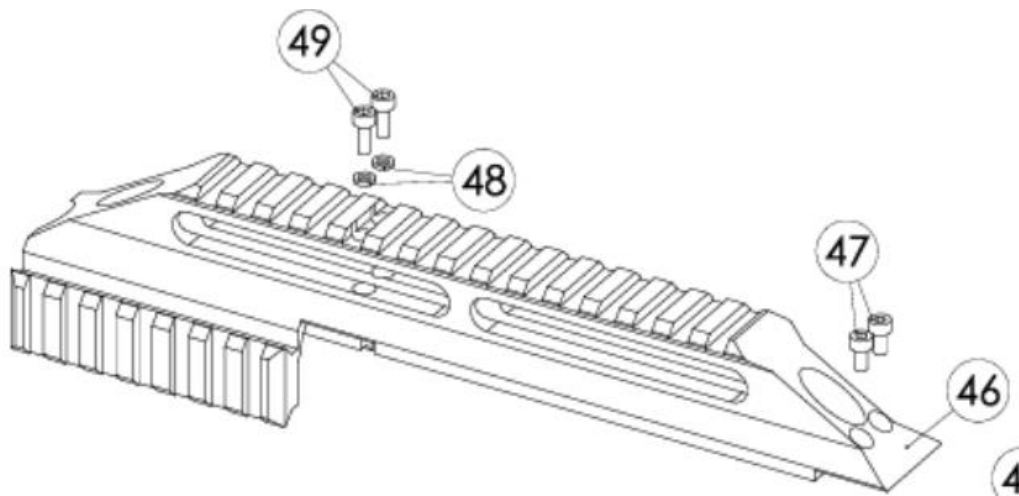
Unscrew the checkpiece from the back of the action using 3mm hex key



Unscrew the shroud from the barrel, now take our extended rail to which you have just mounted the clamp and slide it over the barrel. Take care to align it to the maverick action.



Use a 2,5mm hex key to screw the rail to the action. Please note that the Maverick uses different screws on the back and front of the action. The back screw (47) is M3x6, and the front screws (49) are M3x8 and use a small spacer (48) underneath it's head which needs to be reinstalled.



B47	19713	Socket head cap screw M3x6
B48	19736	Plastic Washer 5,3x3,1x1
B49	12610	Socket head cap screw M3x8

Closup the spacer and screw will look like this. If you have lost the spacer be sure to shorten the front screws by 1mm otherwise the screw will protrude into the barrel channel.



Tighten two of the 6 M3 screws that secure the barrel so the rail and barrel are secured to each other for the next steps. The angle is a little awkward so you'll need to use a ball headed hex key for it or use a shortened hex key.



Once secured tight enough you can loosen the barrel attaching screws from the action and unscrew the 4 screws holding the rail

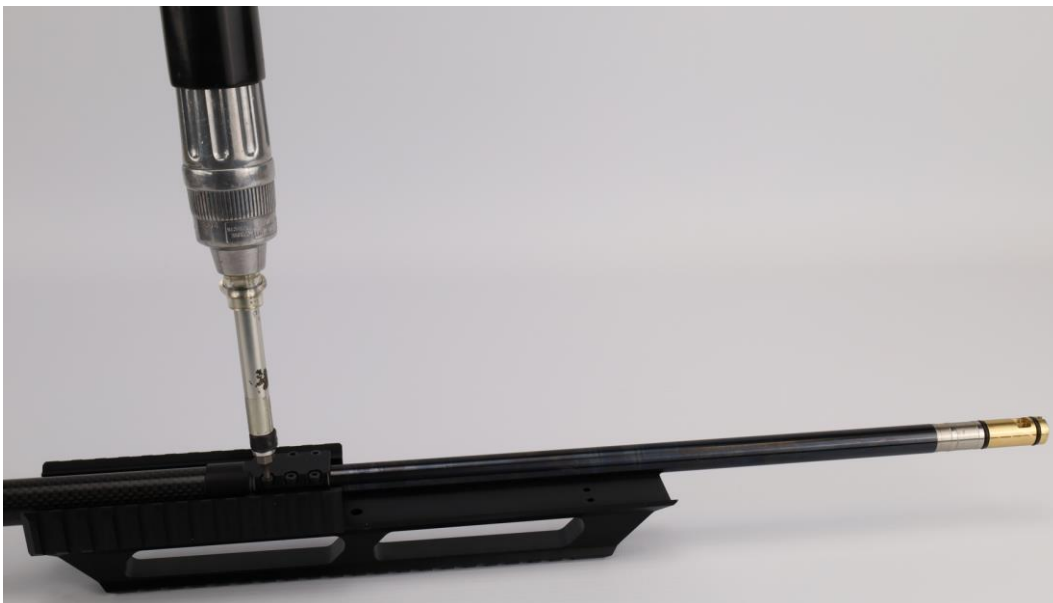


The complete rail/barrel assembly can be slid from the action to the front.

Now tighten all 6 screw handtight



After that use a torque wrench to set the 6x M3 screws to the right torque. Torque on the 6x M3 screws should be between 1.75-2Nm ($\pm 15-17.5$ Inch.lbs). As you can see here the barrel and rail will form a rigid assembly. If you have barrels and scopes to spare, you can also pair a scope to your barrel rail assembly for the least amount of sight in required.



Now the complete assembly is slid back and the 4 top screws as well as the barrel securing screw in the rear action needs to be tightened.

Slide the carbon over the barrel and make sure it is seated properly in the clamp plate



It is now time to mount the tensioner endpiece.. Again use some anti seize on the muzzle thread.



Screw home the tensioner endpiece. Wrap a piece of paper around the flats (to preserve the finish) and using an adjustable wrench set to the tension of your liking (be sure the jaws are set for a good fit).

Please note that the tension that works best needs to be determined for you setup.



Possible issues you might encounter with assembling the kit are mostly related to the carbon fiber, although we strive to have the carbon sleeve produced as close to spec as possible. Due to the resin coating involved in producing these and tolerances on the FX STX barrel it could be that the carbon needs to be sanded ever so slightly.

Although all carbon sleeved have been checked here with a FX STX barrel for fitment, it could be that your barrel is relatively larger in size to the one we have. You can sand the inner part of the tube using a 8mm wood rod that you slit to secure a piece of sandpaper to. In the slit you can slide a piece of 180 grit sandpaper. Insert this in the carbon tube and in longitudinal strokes carefully open up the bore ever so slightly. When the outside needs to be sanded be sure to mask the carbon tube where it is in plain sight. So you only sand what is inside the clamp plate or the tensioner piece.

Note that you wear a dust mask when sanding. And clean in between fitting tries.

The kit has is equipped with 1/2-20UNF threads for fitting a moderator.

Please note that with a 600mm barrel a 580cc bottle can be fitted and a moderator upto ± 45 mm can be fitted, but for changing bottles the moderator needs to be removed.

For 700mm sniper barrels this will not be any problem.

