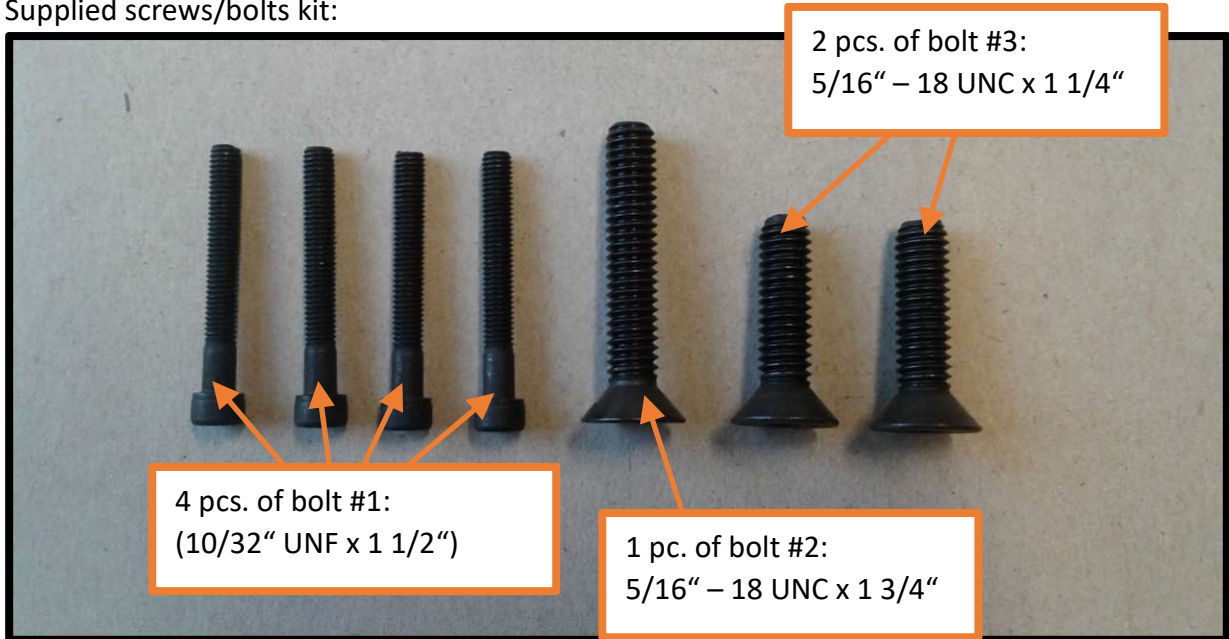


## Assembly of the PowerUnit on the crossbow

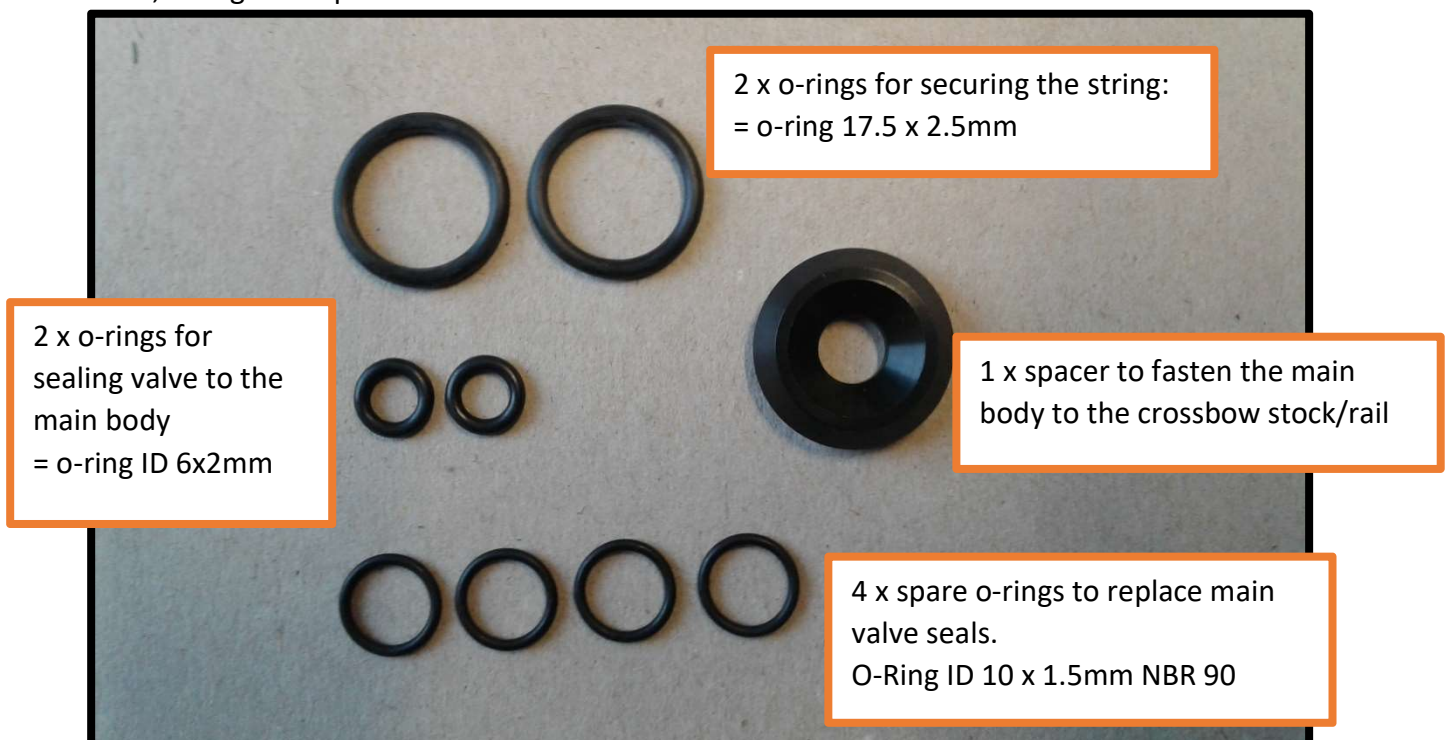
For Excalibur Bulldog und Excalibur Micro Series crossbows

### Accessory kit / parts list:

#### Supplied screws/bolts kit:



#### Seals, o-rings and spacer:



## Overview of the main bolts:

the following bolts are part of the original crossbow and of the accessory kit:



5/16" – 18 UNC x **1 3/4"**

= long bolt to mount the main body to the rail of the crossbow.

5/16" – 18 UNC x **1 1/2"**

= original bolts for mounting limbs to the original riser.

5/16" – 18 UNC x **1 1/4"**

=short bolts to mount the limbs to the new Steambow riser.

### Step 1:

Remove the string from the crossbow with the help of a bow press or a stringing aid.

### Step 2:

Remove the limbs from the original riser.

Screw off all the bolts holding the limbs on the original riser and remove the limbs. All bolts and fastening materials will be reused with the exception of the two main 5/16" bolts.

Be careful not to damage the limbs in this process and use tight fitting tools.

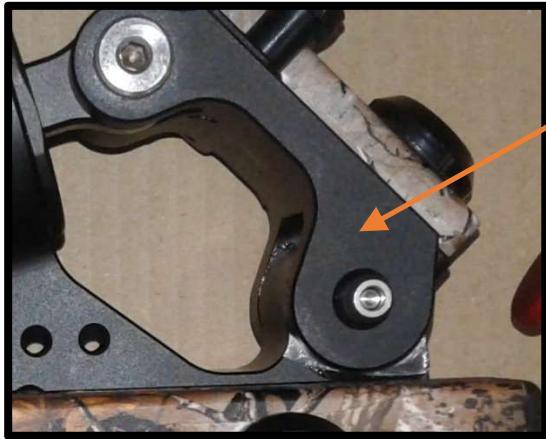
The following parts are not used anymore and should be stored in case you want to rebuild your crossbow to the original configuration: The original riser, one bolt per side (5/16" – 18 UNC x 1 1/2") and all parts of the sound dampening system or string silencers

Result: limbs are removed, string is removed.

### Step 3:

Mounting of the limbs on the main body with the supplied short 5/16" bolts and all the remaining original fastening materials.

**Attention: Using too long bolts (e.g. the original mounting bolts) could damage your PowerUnit!!!**



Attention:

Too long bolts will damage the hinge on the PowerUnit.

Use only 5/16" x 1 1/4" bolts.

When fastening the limbs to the new Steambow riser don't forget to reuse the small plastic spacers. Especially the flat, rectangle ones that were used beneath the limbs are very important.

Ideally you apply a little bit of grease beneath the limbs and beneath this flat black spacer. Grease beneath the limbs reduces the noise of the cocking action considerably.

Result: limbs are mounted to the PowerUnit.



Bolt 3:  
5/16" – 18 UNC x 1 1/4"

Apply some grease  
beneath the limbs!

#### Step 4:

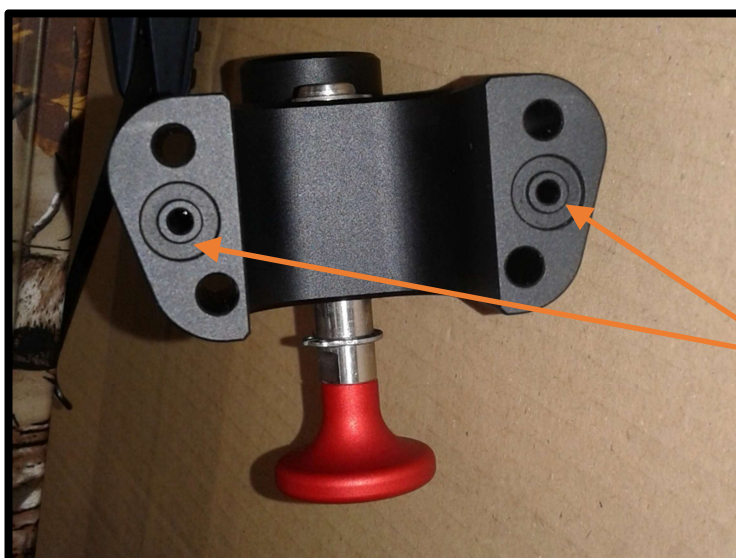
Mount the main body of the PowerUnit onto the rail of the crossbow stock. Use the black spacer and the long 5/16" – 18 UNC x 1 3/4" from the accessories kit.



#### Step 5:

Place o-rings / main valve seals on the underside of the main Valve. These seal the main valve against the main body. (= 2 pieces of 6x2 mm o-rings).

On the underside of the main valve are two grooves around the air inlets. Place the supplied o-rings 6x2mm in this grooves after you applied some grease on them.

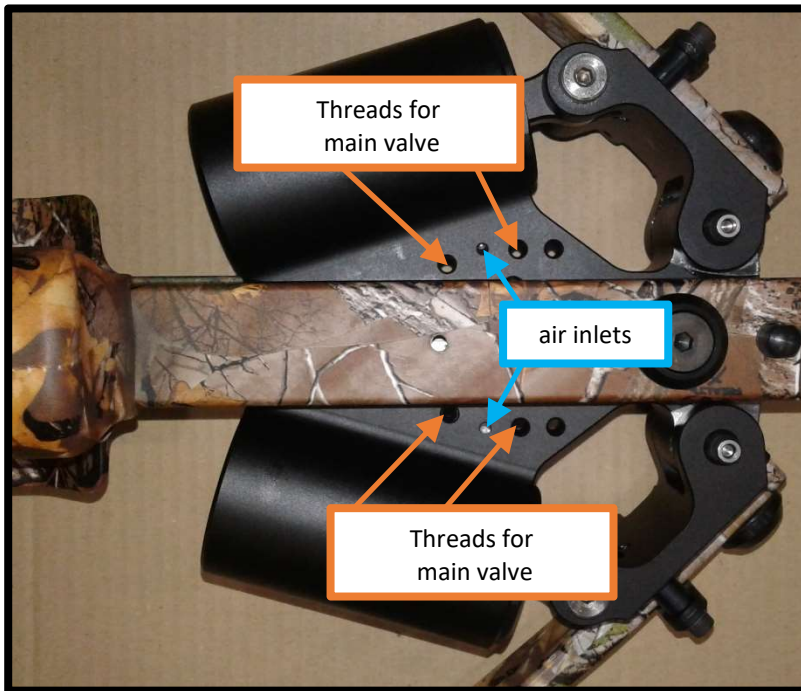


Grooves for o-rings (6 x 2mm)  
Apply a thin film of grease on  
the o-rings before mounting  
them!

### Step 6:

Mount the main valve on the main body of the PowerUnit.

With the supplied 4 bolts (10/32" UNF x 1 1/2") the main valve is screwed to the main body. Take care not to over tension these bolts! They should be fastened evenly and should only be fastened hand tight. Between the threads for the main valve you will find the air inlets (marked blue).



### Step 7:

Mount the string onto the limbs.

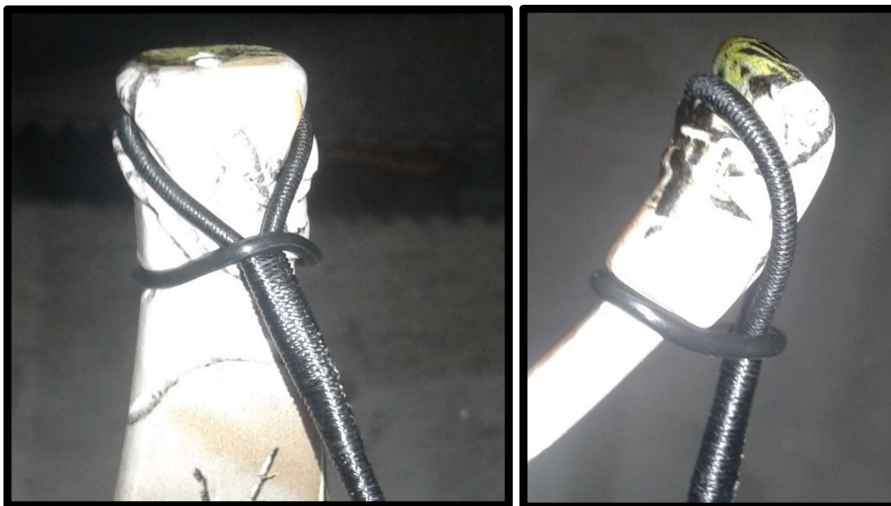
### Step 8:

Secure the string with the supplied large o-rings 17.5x2.5mm.

We suggest using a tooth-pick or a small allen-key as auxiliary tool to prevent the o-ring from slipping into the grooves.



Result:



### Step 9:

Check the status of the main valve. The main valve should be in the “decocking”-position, which means that the red knob is pulled toward the trigger/shoulder stock as far as possible. Pushing the red knob forward will cock the Steambow when under pressure.

### Step 10:

Attach an air source and test the function of your Steambow. To do that, attach and lock the string in the crossbow-lock/trigger assembly and push forward on the red knob. When no leakages are detectable, when the cocking action is smooth and the de-cocking action is evenly then the Steambow is working properly.

**Beware: Before attaching a power source always check that the main valve is in the “de-cocking position”**