

**This kit is for use with ver-3 gearboxes that use a standard AK trigger only!**

Strip all the components out of the inside of the gearbox shells. Clean any dirt and grease. You will be re-using the trigger assembly, trigger spring and 4 of the gear bushings/bearings.

The trigger valve is retained in the gearbox shell using the 2 brass pins. The pins go through the trigger valve body into the gear bushing/bearings.

If removed, reinstall just the top and bottom gear bushing/bearings into each of the gearbox shells. Do NOT install the middle bushing/bearing. See Fig. 1

Install the trigger valve into the gearbox using 1 brass pin, (long end first) into the slotted hole. See Fig. 2



Fig-1

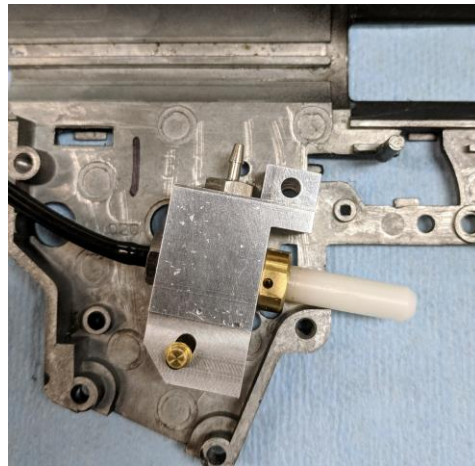


Fig-2

The upper pin hole in the trigger valve will likely not line up with the hole in the gear bearing/bushing due to the trigger valve plunger hitting the gearbox shell as shown in Fig. 2 You will need to file or grind the gearbox shells until the brass pin can be installed into the upper pin hole and gear bearing/bushing.

Make sure there is some clearance between the plunger and the gearbox with both brass pins installed. Fig. 3  
Install the engine, trigger valve and trigger assembly into the gearbox, and route the airlines as shown. Fig. 4

**Make sure that the trigger valve hoses are not kinked or pinched!**

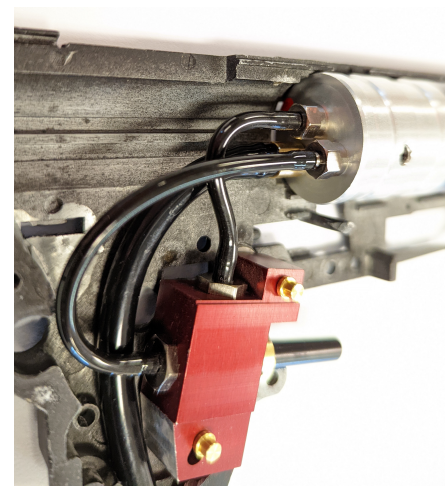
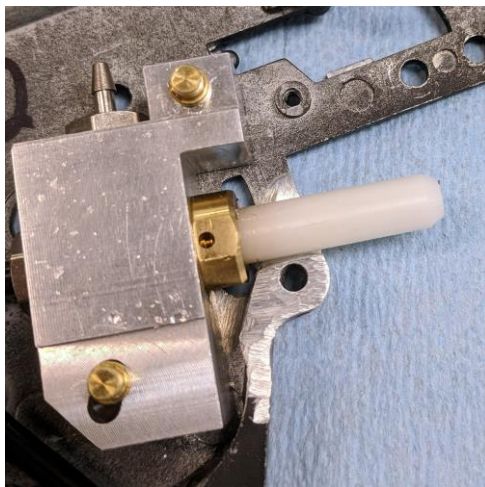


Fig. 3

Fig. 4

Assemble the gearbox and install the safety mechanism. Apply air to the engine and with the safety on, test to be sure that the gun does not fire when the trigger is pulled and that there is at least some free play between the back of the trigger and the plunger. (fig-7)

If the free play needs to be adjusted insert a small tool such as the supplied paper clip into one of the holes in the side of the brass retainer on the trigger valve. Push down and rotate the plunger until the inserted tool goes completely through the brass retainer. This locks the internals of the valve and allows the plunger to be screwed in or out as needed to properly set the trigger free play. Fig-8

Do not unscrew the plunger so far that the plunger come out of the brass retainer!



Fig-7

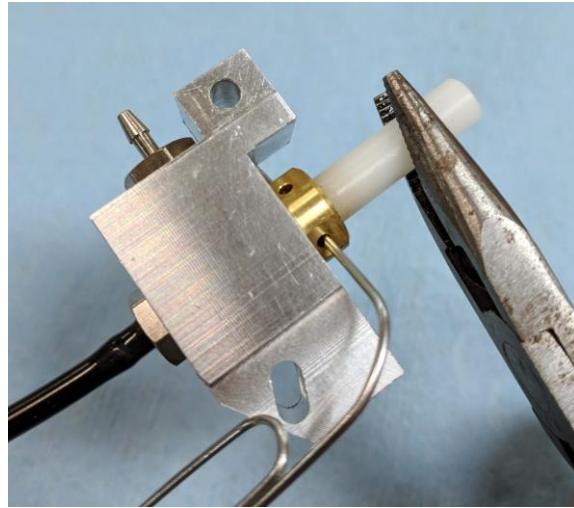


Fig-8

**Important!** If there is too little free play the safety will not function properly and the gun will fire with the safety on. You will need to re-check for proper operation of the safety once the gearbox is installed into the lower receiver. If the gun fires with the safety on, you will need to add more free play between the trigger and the plunger!

Another sign that there is too little free play is the engine will fire and the nozzle will stay retracted when the air is connected. That is due to the trigger holding the trigger valve plunger slightly depressed and holding the valve in the "Fire" position.