Redline Airsoft
High Performance Airsoft Equipment

Follow these steps to convert your electro-pneumatic N7 to a mechanical-pneumatic N7 Milsim.

1:If not done already, remove the N7 from the gearbox shell.

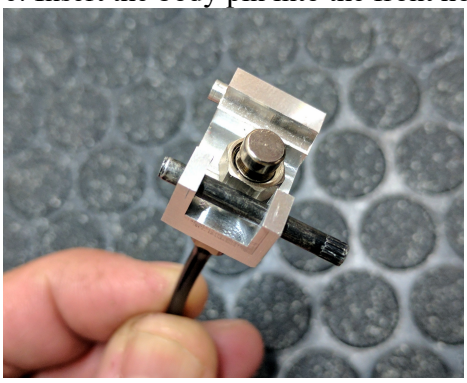
2:Remove the solenoid and the 10/32 port plug from the rear of the N7 body.
Store the solenoid and plug in the Ziploc bag the conversion kit came in. It is important to keep dirt and debris out of the solenoid at all times.

3:Install the silver 10/32 barbed fitting into the 10/32 threaded air port.

4:Apply a light coat of Tech-T grease to the orings on the brass solenoid plug and install it into the solenoid hole.

5:Remove the trigger and trigger switch plate.

6: Insert the body pin into the front hole of the mount so that it looks as shown.



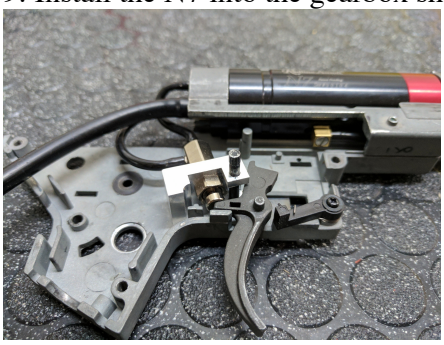
7:Install the 3-way mount assembly into the gearbox shell by inserting the body pin into the body pin hole and the stub pin on the 3-way mount into the hole to the rear of the body pin hole. Then install the trigger **without** the trigger spring.

8: Temporarily install the other half of the gearbox shell and feel if the is any free play between the trigger and the plunger on the 3-way valve. There should be at least a slight gap and therefore a small amount of free play between the trigger and the plunger of the 3-way valve.

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 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!

If the free play needs to be adjusted loosen the locknut on the underside of the 3-way mount and rotate the 3-way valve 180 degrees in or out as needed and retest.
The hoses provided are long enough that the output of the 3-way valve can point to either the front or the rear as needed.

9: Install the N7 into the gearbox shell and connect the hoses.



The top hose on the 3-way goes to the 10/32 port and the side hose goes to the solenoid plug.

10: Reinstall the other half of the gearbox shell, apply air and test the function.
Once again check to see if you have at least a slight amount of free play between the trigger and the 3-way plunger. When you are satisfied that everything is correct you can reinstall the gearbox into the replica body.

11: Connect air and check for proper function. Be sure to test that the safety is working correctly. Re-adjust trigger free play as needed.

You may need to use a small tool to rotate the 3-way mount slightly to align the hole when installing the body pin when the gearbox is being installed into the replica body.

Some users, depending magazine and bucking used, may experience some double feeding issues. Do to the fact that the N7 Milsim is fully mechanical, the nozzle dwell is controlled by the users trigger finger.

As long as the trigger is depressed the nozzle is held rearwards. Since it is not possible to precisely control the nozzle dwell in this way there is the possibility of double feeding do to high magazine spring pressure and excessive nozzle dwell.

If you find double feeding to be an issue we recommend that you use a Madbull red

to high magazine spring pressure and excessive nozzle dwell.

If you find double feeding to be an issue we recommend that you use a Madbull red bucking or any bucking with tight feed lips.