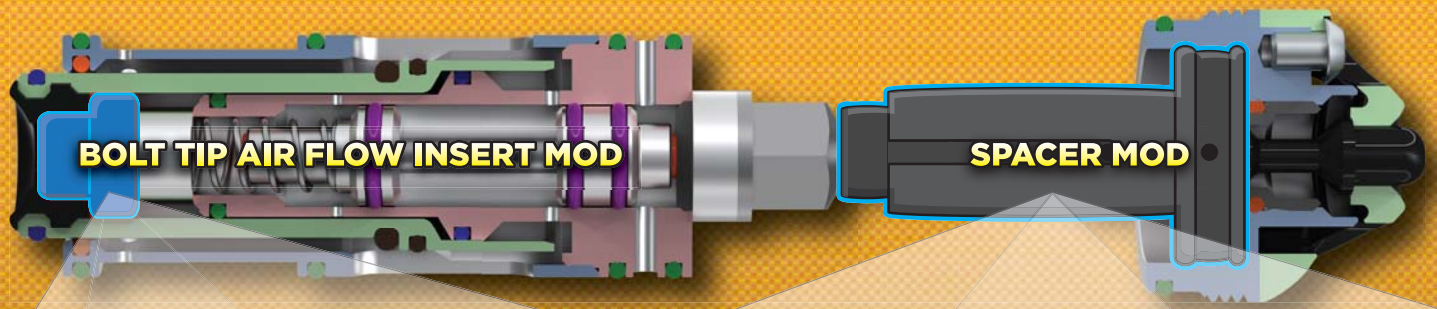
NT BOLT TIP & SPACER MOD



BLUE BOLT TIP AIR FLOW INSERT

The **BLUE** bolt insert is the preferred insert to start with. Choosing the **BLUE** blot tip insert will allow more air to pass through the bolt tip which causes the self-closing valve to closer at a slightly delayed time. This will cause the ball to see a lower pressure, but uses a little bit more air than the **RED** bolt tip insert. The **BLUE** blot tip insert should be used with fragile, tournament grade paint to minimize the possibility of ball breakage. The preferred dwell setting for this insert is between 5 & 6.

YOU MUST CHOOSE EITHER THE BLUE OR THE RED INSERT.
A BOLT TIP INSERT IS REQUIRED FOR THE GUN TO OPERATE.
READ OWNER'S MANUAL BEFORE ADJUSTING.

RED BOLT TIP AIR FLOW INSERT

The **RED** bolt insert is used only for high efficiency use. Choosing the **RED** bolt tip insert will allow less air to pass through the bolt tip, which causes the self-closing valve to close slightly sooner. This will inrease air efficiency but can also cause a louder sound while shooting. The ball will also be accelerated faster which causes more stress on the ball, which can cause ball breakage on brittle or out-of-round paintballs. The preferred dwell setting for this insert is between 6 & 7.

YOU MUST CHOOSE EITHER THE BLUE OR THE RED INSERT.
A BOLT TIP INSERT IS REQUIRED FOR THE GUN TO OPERATE.
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SPACER BODY MOD

With the addition of the Spacer Body Mod insert, the shot chamber volume is reduced. This will cause the velocity to decrease and the air efficiency to increase. If the NT™ is shooting at too high of a velocity, with the Hyper^{3}™ regulator pressure set at 130fps, it is better to use the Spacer Body Insert instead of turning down the regulator pressure. This will keep the NT™ bolt cycling correctly, but will increase air efficiency.

READ OWNER'S MANUAL BEFORE INSTALLING OR ADJUSTING.

MULTI SPACER MOD

As with the Spacer Body Mod insert, these inserts reduce the shot chamber volume even further, These parts should be used in a situation where it is required to shoot at much lower velocities than 300fps, such as indoor fields. If your NT™ is shooting good at 290fps and you go to a field with a velocity limit of 260fps, you need to use these inserts. Instead of changing the regulator pressure, insert the Spacer Body Mod and 1-2 Inserts to reduce your velocity to the required value. Use the regulator ONLY for fine tuning.

READ OWNER'S MANUAL BEFORE INSTALLING OR ADJUSTING.

GENERAL MOD INFORMATION

• The NT bolt kit is designed to work at a very specific pressure range. For correct function of the NT™ marker, the input pressure from the Hyper^{3}™ regulator must be within 130-150psi. This allows the bolt kit to work correctly and cycle with the correct speed, both going forward and coming back, with the self closing valve working correctly. Any pressures outside of this range will cause undesired effects from the NT™.

• First, in order to setup the NT™ correctly, the Hyper^{3}™ regulator must be set at 130 psi. Also check that the dwell is set between 5-7ms. 6ms is the preferred factory setting value.

• The next important factor for supreme performance, is matching the barrel size to the paint you have chosen to use. The optimal barrel-to-paint match is where one can simply blow a paintball through the barrel. If the paintball easily rolls through the barrel, the gun will be louder and less efficient. On the other hand, too tight of a barrel will cause unwanted ball breakage.

• There is one more choice to make before heading off to the chronograph. If the goal is to maximize the air efficiency of the gun, choose the **RED** bolt tip insert. The **RED** bolt tip insert will slightly raise the air pressure of the NT™, creating a more "high-pressure" setup. This set up is ideal for recreational play where a balance between efficiency and shooting comfort is optimal. If the goal is to minimize sound, recoil, and how gentle the NT™ is on paint, choose the **BLUE** bolt tip insert. The **BLUE** bolt tip insert will slightly decrease the air pressure of the NT™, creating a more "low-pressure" setup. This type of "low-pressure" setup up is ideal for more brittle, tournament style paint, and will significantly help in reducing ball breakage.

• Next, shoot 10-20 balls over the chronograph. With the **BLUE** bolt tip insert, the gun should chrono very close to 300fps, maybe even a little over. With the **RED** bolt tip insert, the gun should chrono about 270-280 fps.

• If the gun is shooting too hot (above 300fps), **DO NOT** turn down the regulator. You will need to add a single **VOLUME INSERT** and chrono again. The regulator should only be used for small adjustments of +/- 10fps.

How to tell if the Hyper^{3}™ regulator pressure setting is out of the 130-150psi range :

1 - NT™ is not cycling fully, feeding two paintballs at a time. The Hyper^{3}™ is set too low, so the boost feature doesn't have enough pressure to kick in. Also double check dwell settings and make sure you have air in your tank.

2 - NT™ is very loud- The Hyper^{3} pressure is too high. Also try using **BLUE** bolt tip insert

3 - NT™ is leaking from solenoid. The Hyper^{3}™ pressure is too high. Turn down the Hyper^{3}™ pressure until the leak stops, then slowly turn the Hyper^{3}™ down even more. Solenoids start leaking as a precautionary measure, at about 160-180psi, to help prevent internal damage to the solenoid.

4 - *Take care of the bolt kit. Make sure its clean and well lubricated and O-rings move freely. Pay special attention to the* **ORANGE** *17 O-ring inside the can and the* **BROWN** *16 O-ring on the bolt.*