

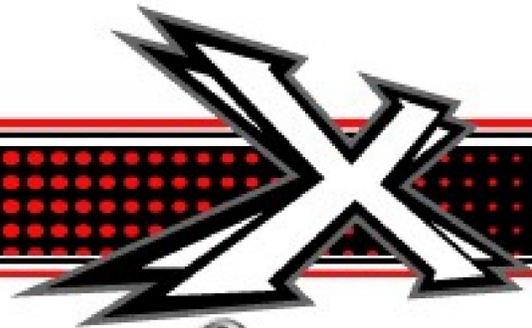
VENGEANCE OWNERS MANUAL



XTREME ENTERPRISES

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Congratulations on your purchase of a Xtreme Enterprises, Inc. Vengeance paintball marker. This gun was designed by some of the top designers and technicians in the industry and manufactured from the highest quality aluminum and rust resistant stainless steel. Before leaving the factory, your Vengeance marker was thoroughly inspected and test fired to ensure that it is free of any defects and provides years of service. You now own the latest, hottest, most competitive paintball marker in the industry today...enjoys!

SAFETY FIRST!

This marker is not a toy, and is capable of inflicting serious injury to people and animals if not used properly.

Most accidents happen because the operator carelessly violates the most important rules of safety. Prior to loading and firing your marker, always make sure that all people within range of the marker (including yourself) are wearing approved eye and head protection. Always insert a barrel plug or utilize a barrel-protecting device when not on the playing field.

Regulators, by design, can maintain pressure to your marker even after you have removed your air source. Prior to beginning any cleaning, maintenance, or repair work on your marker, make certain that your marker has been degassed. To degas your marker, press in on the Cocking Rod until all CO₂ or air is vented. This will degas, or vent, any remaining CO₂ or air in your marker.

This marker must be kept out of the reach of children.

CAUTION: DO NOT OPERATE THIS MARKER WITHOUT EYE PROTECTION. DO NOT PUT ANY PART OF YOUR BODY DIRECTLY IN BACK OF THE COCKING BLOCK WHEN ACTUATING THE TRIGGER. WHEN THE COCKING BLOCK IS IN THE REWARD POSITION, DO NOT PLACE ANYTHING BETWEEN THE COCKING BLOCK AND THE MAIN MARKER BODY. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE DAMAGE TO YOUR MARKER AND POSSIBLE GRIEVOUS INJURY TO YOURSELF, THE OPERATOR, OR OTHERS IN THE IMMEDIATE AREA.

BASIC OPERATION

The Vengeance paintball marker fires from a closed bolt system. This not only improves efficiency; it also makes the marker more accurate. This closed bolt design also reduces ball breakage by reducing the violent forces present in most blow back/open bolt design markers. The Vengeance mark cocking mechanism is actuated during the trigger pull of the swing trigger. During this pull, the sear is lowered, releasing the hammer and firing the gun. At almost the same second, the trigger actuates the three-way causing the Ram to re-cock the marker.

Note: This marker is not designed to shoot liquid CO₂. Allowing liquid CO₂ to flow through the marker will eventually cause the marker to malfunction and possibly cause damage to the seals. Do not use a siphon tube bottle or mount the bottle so that liquid CO₂ enters the marker (e.g. California Style or Bottom Line). If your marker utilizes one of these mounting styles for your CO₂ system, an anti-siphon tube in the tank valve, properly set-up to the marker, must be used.

ADJUSTMENTS

Note: Always make certain that you and everyone around you within range of the marker wears eye and face protection when you adjust your marker or check to see if the marker has paintballs in it. Never assume that the marker is not loaded.

When you receive your Vengeance marker, you may need to make an adjustment to your regulator to adjust your marker to your specific climate.

Before making any adjustments to your Vengeance marker, check the Barrel to make sure there are no paintballs in the marker. You may do this by removing the Barrel from the marker and look into the Barrel. Another option is to remove the Bolt from the marker and look through the rear of the Cocking Block and into the barrel to make certain that no paintball is present in the Barrel or breach of the marker.

Once you are certain that there are no paintballs in the marker and the feeder system has been removed from the marker, and you have your eye protection on; you are ready to make your adjustments.

Cocking Pressure

Note: Always hold the gun pointing away from you, and others, with the barrel plug installed or the barrel removed. Make certain that there is no loader on the marker or paint in the marker.

1. Do not remove only loosen the knob at the forward end of the front block regulator (about one turn counterclockwise). If you remove the knob while the marker is under pressure, the spring and piston may fly out of the regulator. Always point the marker towards the ground for safety.
2. Make sure you manually cock your marker. This is done by pulling back on the back block and cocking rod.
3. Install your CO₂ source.
4. Pull the trigger all the way back, as if you were firing the marker.
5. While pulling the trigger, back and forth, slowly turn the knob of your regulator clockwise. This will cause the cocking block, at the back of the gun to move backwards. Continue turning the adjusting knob slowly until the marker re-cocks and the marker fires.

After the initial adjustment, this system requires very little adjustment unless you experience a large temperature change.

Three-Way Valve Adjustment

Note: The three-way valve actuating rod should never need adjustment unless the rod is removed. Never remove the rod unless there is a problem with the air receiver or the three-way valve itself.

External Three-Way Adjustment

1. Three-way and coupler is one piece for easy adjustment.
2. To adjust your Three-way, screw the front adjusting knob clockwise until the Three-way leaks. Screw counter clockwise 1-1/2 turns or to your desired position.

In-Line Regulator

1. Your In-Line Regulator is preset from the factory at 300 psi.
2. To adjust your In-Line Regulator, turn the bottom adjusting knob in a clockwise direction to lower the pressure, or in a counter clockwise direction to increase the pressure.

Ram to Cocking Block Adjustment

1. Make sure the barrel plug is installed and the marker does not have paintball in the barrel or a feeder on the marker.
2. Remove the bolt and the Cocking Rod from the marker. Loosen the Cocking Block by turning the block counter clockwise on its rod.
3. Make sure you manually cock your marker. This is done by pulling back on the back block and cocking rod.
4. Install CO₂ or air source.
5. When you pressurize the system the Ram should retract completely (pulling the block forward). At this time there should be a gap between the Cocking Block and the main body.
6. Rotate the Cocking Block clockwise until it touches the main body of the marker. Continue rotating the cocking block until the large Bolthole in the Cocking Block lines up with the Bolthole on the main body.
7. Install the Bolt and the Cocking Rod, and your adjustment is complete.

Cocking Rod Adjustment

Two things affect the bolt backward movement, the Cocking Block to Ram adjustment, and the Cocking Rod adjustment.

To check the Ram adjustment, remove the Cocking Rod, manually pull the Cocking Block backward until it stops, and look down the feed tube to see if the Bolt tip has cleared the feed tube hole. If it does not clear the hole, refer to the Ram to Cocking Block adjustment section of this manual. If the Bolt does clear the hole, the Cocking Rod needs adjusted. Make the following adjustments.

1. Along with the standard precautions, make sure there is no CO₂ or air connected to or in the marker. Make certain that there is no paintballs in the gun or feeder on the marker.
2. Remove the Cocking Rod and the Cocking Rod Bumper. Unscrew the knob from the rod. We use Loctite at the factory, so removal of the knob may be difficult. Clean the threads on the end of the Cocking Rod so that the Cocking Knob screws onto the Cocking Rod freely.
3. Begin by putting a drop of Loctite in the knob threads (Do not put Loctite on the threads that go into the marker). Then screw the Cocking Knob on the Cocking Rod, slide the bumper onto the Cocking Rod, and insert the rod into the marker. Thread the rod into the Hammer, and then pull back on the Cocking Block until it makes contact with the bumper. Look down the Feed Tube to see if the Bolt clears the Hole. If it doesn't, rotate the Cocking Knob (not the Cocking Rod) in a counter clockwise direction until the Bolt clears the Feed Tube. Allow at least 30 minutes for the Loctite to set and dry.
4. Adjustment is now completed.

Hose Replacement

To replace the hose, follow these steps:

1. Remove the hose from the fitting. Cutting is usually required.
2. Remove any pieces of the hose left behind on the fitting.
3. Cut the new hose to length with a razor blade or wire cutter.
4. Place the hose over the fitting and push until it is fully seated.
5. Back off on the front Regulator knob a half turn before charging your marker with CO₂ or air, then readjust the Regulator following the before mentioned instructions.

Velocity Adjustment

To adjust the velocity of your marker, follow these instructions:

1. Remove the Cocking Rod (located at the rear of the marker).

2. Insert the 3/16" allen wrench supplied with your marker until it engages the adjusting screw.
3. Turn the allen wrench clockwise to increase the velocity, or counter clockwise to decrease the velocity.
4. Turning the allen wrench one flat at a time changes the velocity approximately 20 fps. Always use a chronograph to verify that your marker's velocity has not exceeded the maximum safety limit of 300 fps.

Cleaning Your Marker

Note: Always wear eye protection!

It isn't necessary to completely disassemble your marker to clean it.

1. Remove the CO₂ or air source, barrel, and bolt and wash down the marker with a 50/50-solution mixture of rubbing alcohol and water.
2. Wipe down the marker with a clean cloth, and blow off the marker with compressed air.
3. Lubricate the threads and all moving parts with Vaseline, and then re-assemble your marker.
4. Place three drops of 3 in 1, sewing machine oil, or an approved paintball marker lubricant in the air receiver.

This is all that you should need to do to clean and lubricate your marker to ensure long life of the marker and maximum performance.

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Should you have any questions regarding the operation or maintenance of your marker, call out tech support line at 800-974-3355 or e-mail at tech@xenterprises.com