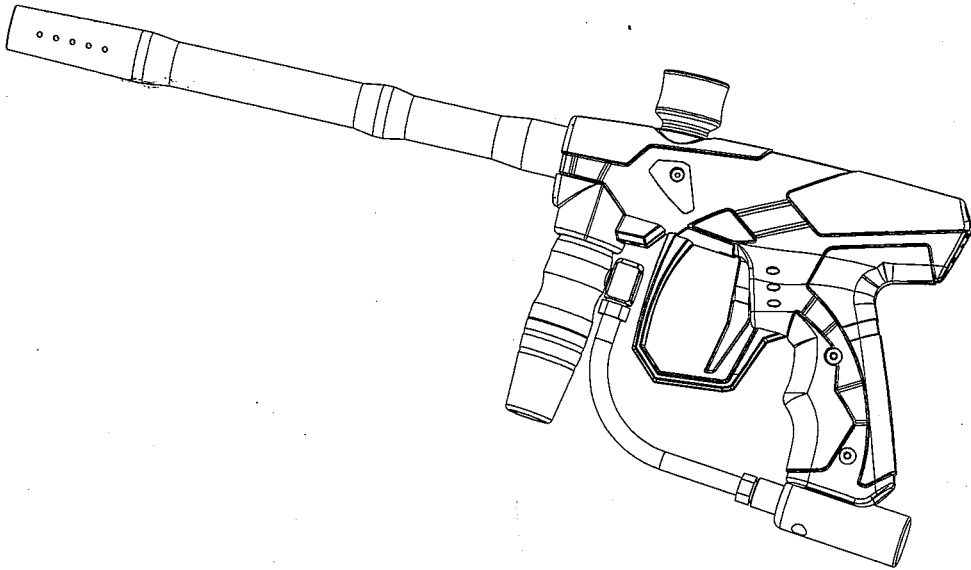




## **NEW LEGION RUSH OPERATION MANUAL**



### **READ OWNER'S MANUAL BEFORE OPERATING**

**THIS IS NOT A TOY. MISUSE MAY CAUSE SERIOUS INJURY OR DEATH. EYE PROTECTION IS DESIGNED FOR PLAYING PAINTBALL AND MUST BE WORN BY USER AND ANY PERSONS WITHIN RANGE. RECOMMEND AT LEAST 18 YEARS OLD TO PURCHASE. PERSONS UNDER 18 MUST HAVE ADULT SUPERVISION, OR 10 YEARS OLD USE ON PAINTBALL FIELDS MEETING ASTM-STANDARD F1777-02.**

### **WARNING**

1. Use only Nitrogen/Compressed Air.
2. Never shoot at velocities in excess of 300 feet per second.
3. Do not exceed 200 psi inlet pressure into this marker.
4. Never use anything other than 0.68 caliber paintballs.
5. Do not grease or oil the solenoid internals as this will cause damage to the marker.
6. When not playing with and storing the marker for an extended amount of time, disconnect the air source and remove the battery to prevent draining it.

### **QUICK START**

1. Remove the battery cap from rear of marker and connect 9V battery (fig 1).
2. Screw on the barrel. then place a barrel cover over the end of the barrel.
3. Screw your air source into the paintball marker bottom line. Using Nitrogen/Compressed air, simply screw your tank in until it seals. We also recommend using an on/off valve, as well.
4. Place your hopper into the marker feed tube. Now add paintballs. then turn ON loader. An electronic agitating hopper is recommended for use with the marker.
5. Making sure your goggles are on, remove the barrel cover. Turn the marker ON by depressing the A button for approximately four seconds.
6. The marker is now ready for play. Follow all safety regulations and rules before beginning.

**NOTE:** To degas the marker properly and prevent damage to your bottle o-ring, turn the bottle out slowly as you cycle the marker after you have removed the hopper and paintballs. Make sure that there are no paintballs in the marker breach, turn the eyes OFF, and point the barrel towards the ground with a barrel cover on during removal.

## **MAINTENANCE**

2 mm, 2.5mm, 3mm, 7/32", 1/4" Allen wrench and Philip screwdriver.

## **STATISTICS**

Length/Weight:	18.5 inches (with 12" barrel), 2.2 lbs
Operating Pressure:	<b>170-180 psi</b> (Do not exceed <b>200 psi</b> inlet pressure into this marker)
Mode of Fire:	SEMI- AUTO.
Rate of Fire:	22 bps max.
Vision Eye:	Break beam.
Power Source:	9 Volt battery.
Barrel Thread:	Cocker threads.

## **FUNCTIONS SETTING INDICATOR**

### **POWER:**

1. Turn marker ON: Hold button A for 3 seconds, green led comes on at 3 seconds indicating marker is ON (fig 2).
2. Turn marker OFF: Hold button A for 4 seconds, led will switch to orange after 2 seconds and then red after the 4<sup>th</sup> second and release.

### **MODES:**

SEMI-AUTO at 22 BPS MAX ROF. Semi-auto is one shot per trigger pull. Flash led once green.

### **EYE OPERATION:**

1. Break beam eyes to be ON when marker is first turned ON.
2. To turn the eye OFF, press the button A and hold for 2 seconds, led will switch to orange, and release before the 4 seconds, to turn the eyes OFF. MAX ROF with eyes OFF to be 12 BPS MAX in all modes. Led should flash orange in current mode.
3. To turn the eyes ON, when marker is in eyes OFF configuration, press button A and hold 2 seconds, led will switch to green and release before the 4<sup>th</sup> to turn the eyes ON. MAX ROF with eyes on to be at MAX ROF of current mode. Led will switch back to current mode selection.

### **LOW BATTERY INDICATION:**

Low battery indication will occur at low volts, measured going down with supply. Low battery condition is indicated by flashing the led to red with modes indicated. Example if flash green-green-red-green-green-red..... means setting in mode2 and the battery condition < 7.5 volts. The rate of flash is:

1. <7.5 Volts the led flash red once per 3 seconds.
2. <7.0 Volts the led flash red once per 1 seconds.

### **FORCE SHOT:**

Initiated by pulling and holding the trigger for 1 second. Only if marker has not fired a shot, marker will fire a clearing shot. Force shot will occur when eyes ON.

## VELOCITY ADJUSTMENT

To adjust marker velocity up or down, use the 7/32" Allen wrench to turn the set screw at the bottom of the regulator----- clockwise to turn velocity up, counter clockwise to turn velocity down. Make only small adjustments at a time, shooting 3 to 5 shots between each adjustment to allow the regulator to achieve the new pressure (fig 3).

## TRIGGER ADJUSTMENT

Located near the top of the trigger, this screw is adjusted with the provided 1.5mm Allen wrench. Turning the screw in stops the trigger sooner after the trigger fires the marker. Turning it out stops it later in the trigger cycle (fig 4).

**CAUTION: EXTREME TRIGGER ADJUSTMENTS CAN CAUSE THE MARKER TO NOT FIRE AND/OR DAMAGE THE TRIGGER SWITCH. MAKE CHANGES GRADUALLY AND ODERATELY.**

## DISASSEMBLY/MAINTENANCE/CLEANING/REASSEMBLY

1. Use 2 mm, 2.5mm, Allen wrench and Philip screwdriver remove the R. L. eye covers, R. L. panels, U buckle and battery cap. The marker uses break beam eyes which must remain clean and free from paint or debris. Remove the ball detent and inspect for excessive wear and replace if required.
2. Hold body with feed tube use 1/4" Allen wrench unscrew the back cap and twist off.( fig 5) Sliding out all internal parts with a long, soft-tipped object (fig 6).

**WARNING: DO NOT GRIPE ON TRIGGER FRAME WHILE REMOVING OR INSTALLING BACK CAP DAMAGE TO MARKER MAY RESULT (fig 7).**

3. Disconnect the solenoid wire from the PC board use 2mm Allen wrench remove solenoid then sliding out valve pin (fig 8).

**NOTE: FOR OPTIMUM USE IT IS RECOMMENDED THAT GREASE IS APPLIED TO THE ALL O-RING AFTER EVERY 15,000 SHOTS. AND THAT ALL O-RING IS REPLACED AFTER EVERY 30,000 SHOTS.**

4. To reassemble the marker, reverse the previous disassemble steps.

## ASSEMBLY DIAGRAM

