The Ninja LPRV2 is designed to be used with a standard regulated paintball air source.

The Ninja LPRV2 is a low pressure regulator for Airsoft markers.

**Features:**
- Pressure adjustment
- Tournament Lock access holes
- Maintenance only access lock set screw
- Pressure Relief Valve assembly
- Low Pressure Reference Gauge
- Low Pressure Quick Disconnect
- Break In Period: 1000-3000 Cycles
- Made in USA

Construction: Aluminum.

Inlet Pressure: Max 500 PSI

Adjustment Range: 0 - 160 PSI

Resealing Relief Valve: 140-150 PSI

Lubrication: Any Silicone based, NON-PETROLEUM LUBRICANT.

Attention: This is not a toy. Improper use can result in injury or death.

**START UP GUIDE FOR OPTIMAL PERFORMANCE**

1. Re-insert LPRV2 Main Spring #10, roughly center the spring on the piston.
2. Re-insert LPRV2 Piston #9 pin side on or require help please call our 877-NINJA-USA (646-5287) for assistance.
3. Set reference gauge to 80PSI
4. Maximum Input Pressure of 500PSI
5. Fire rounds over chronograph (Pressure may drop)
6. Increase pressure until stable and desired velocity is achieved
7. Once velocity is stable at desired level, install tournament lock zip tie if required by field.

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Quick start guide:
- Verify Adjuster (Figure 1: A.) is at the maximum, turning counter clockwise until it stops, using a 3/16 Allen (hex) key.
- Completely attach the regulated air source with a verified output pressure of 500 psi.
- The pressure gauge is for reference only. The velocity should be set following the engine manufacturer’s specifications utilizing a chronograph designed for airsoft use.
- Rotating the adjuster CLOCKWISE will INCREASE the output pressure.
- Rotating the adjuster COUNTER CLOCKWISE will DECREASE the output pressure.
- In General, increasing the output pressure will increase the velocity of the airsoft engine.
  o Using small 3/8 Clockwise adjustments (right hand) to increase velocity and verify using a chronograph.
  o Small Counter Clockwise adjustments to reduce velocity must be followed by several clearing shots.
  o If air pressure is increased beyond the factory resetting Pressure Relief Valve (Figure 1: D) set point (140-150psi), the resetting Pressure Relief Valve will begin to vent. Quickly turn the adjuster at least one full turn Counter Clockwise to decrease the pressure output and the resetting Pressure Relief Valve will reset.
- Due to the Ninja LPRV2 design, the air source tank and regulator should turn easily, unthread from the Ninja LPR smoothly and de-gas with a small vent of air after unreathing two full turns and before three full turns are completed.

WARNING: THIS IS NOT A TOY IMPROPER USE CAN RESULT IN INJURY OR DEATH DO NOT USE THE LPR
PRIOR TO READING THIS MANUAL IN ITS ENTIRETY

NOTE: COMPONENT COLOR FOR ILLUSTRATION PURPOSES ONLY ACTUAL PRODUCT COLOR MAY VARY

MAINTENANCE & SERVICE:
- Maintaining the Ninja LPRV2 for optimum performance requires occasional Piston Oring #7 replacement.
- Replacing and silicone greasing oring #7 will solve a number of common air pressure regulation issues:
  1. Inconsistent pressure output.
  2. Slow loss of pressure while under pressure but not using the regulated air.
  3. Slow recharging of set pressure.
  4. Leaking from LPRV2 cap #13, LPR adjuster #11, LPR Maintenance set screw #12.

WARNING THE LPRV2 RESETTING PRESSURE RELIEF #1-4 IS NOT USER SERVICABLE. DO NOT REMOVE OR TAMPER WITH THE LPR PRESSURE RELIEF

DISASSEMBLY: Reference figure 2
1. Remove Air Source.
2. Using a 5/16” Allen (hex) key remove the LPRV2 Maintenance Access Locking set screw #12 by rotating Counter Clockwise using a flat, non-ball end of the Allen.
3. Rotate LPRV2 cap #13 Counter Clockwise to remove LPR cap and Adjuster.
4. Remove LPRV2 Main Spring #10.
5. Remove LPRV2 Piston #9 by light pressing an Allen key through the center hole on the Air Source Attachment side (Figure 3: X).
6. Remove and replace oring #7, lightly lube the oring with silicone grease.

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