NINJA PRO V2 REGULATOR SERIES
OWNERS MANUAL
1.877.NINJAUSA
(1.877.646.5287)

THE SAFETY SYSTEM

The NINJA PRO V2 Regulator is equipped with an ASTM COMPLIANT bottle Burst Disk required by the Department Of Transportation (D.O.T.)

In addition to the required safety burst disk, the regulator has a Low Pressure (LP) safety burst disk (stamped 1.8k).

The Low Pressure safety burst disk is there to protect you and your marker in the unlikely event that the NINJA PRO V2 Regulator fails.

If the (LP) 1.8k PSI safety burst disk vents, it did so for a reason. We recommend you do the following:

Disassemble the regulator (see Service and Rebuild procedures), inspect the regulator for contamination and clean if necessary.

Install a new 1.8k PSI burst disk. PER THE INSTRUCTIONS SEE PAGE 5, also available at NINJAPAINTBALL.COM and refill the system.

If the burst disk is missing or not securely tightened, do not refill the air system for use.

Remember, most regulator failures are the result of contaminated air.

Never remove the set screws or adjust the rotational sleeve with pressure present in the system!

Under no circumstances should the NINJA PRO V2 Regulator System be refilled either on or off the marker. The NINJA PRO V2 Regulator has a "ball valve" output pressure which shuts off the gas delivery when the power system is removed from the marker.

Due to the high flow characteristics of the V2 ball seal regulator you may experience connection / activation difficulties with certain markers ASA. To eliminate simply reduce the V2 regulator output pressure to 550 psi by removing (2) shims see page 4, Pressure Conversion.

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PRESSURE CONVERSION

All Standard NINJA PRO V2 Regulators are factory shipped with (3) shims setting the regulator at 800 PSI output pressure. If you wish to adjust the output pressure please follow these six simple steps.

1. Remove the (3) 8-32 set screws that lock the Bonnet K3 (the top portion of the regulator) to the Reg Body, REFER TO DIAGRAM ON PAGE 8.

2. Unscrew the Bonnet counter clockwise from the Reg Body. The Bonnet must be unscrewed carefully, simply pushing the Bonnet counter clockwise may result in the Regulator being "thrown" from the Reg Body.

3. Pressure Adjustment:

**BEFORE PROCEEDING, MAKE SURE YOUR SYSTEM HAS BEEN COMPLETELY DEGASSED VIA THE OUTPUT BALL VALVE, TO ENSURE THAT NO TRAPPED COMPRESSED GAS IS PRESENT!**

**DO NOT APPLY OR INJECT OIL OF ANY TYPE TO THE FILL OR BURST DISC PORTS. OIL WILL VAPORIZE AND POSSIBLY IGNITE DURING THE FILL PROCEDURE CAUSING DEATH OR SERIOUS INJURY.**

4. Replace the (3) locking set screws and tighten securely.

The Anchors are the result of contaminated air. Remember, most regulator failures are the result of contaminated air.

If a 1.8K burst disk has been used and the burst disk is still present, do not refill the air system for use.

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SERVICE & REBUILD PROCEDURES

For service and safety only use ninja replacement parts. Watch the video at www.ninjapaintball.com for reference purposes, consult the exploded parts diagram page 8.

Spare parts & rebuild kits available at your local ninja dealer or ninjapaintball.com

Always wear eye protection, gloves and point the air system in a safe direction away from yourself and all bystanders prior to degassing the system!

Stop! Do not fill or use your system. Place the system on the ground and wait for the system to FULLY DEGAS! Contact a qualified airsmith immediately or call 1.877.NINJAUSA (1.877.646.5287) for assistance.

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In addition to the required safety burst disk, the regulator has a Low Pressure (LP) safety burst disk (stamped 1.8k).

The Low Pressure safety burst disk is there to protect you and your marker in the unlikely event that the NINJA PRO V2 Regulator fails.

If the (LP) 1.8k PSI safety burst disk vents, it did so for a reason. We recommend you do the following:

Disassemble the regulator (see Service and Rebuild procedures), inspect the regulator for contamination and clean if necessary.

Install a new 1.8k PSI burst disk, PER THE INSTRUCTIONS SEE PAGE 5, also available at NINJAPAINTBALL.COM and refill the system.

If the burst disk is missing or not securely tightened, do not refill the air system for use.

Remember, most regulator failures are the result of contaminated air.

Never remove the set screws or adjust the rotational sleeve with pressure present in the system!

Under no circumstances should the NINJA PRO V2 Regulator System be refilled either on or off the marker. The NINJA PRO V2 Regulator has a "ball valve" output pressure which shuts off the gas delivery when the power system is removed from the marker.

It is important to keep dirt, oil and water out of your NINJA PRO V2 regulator system. Most regulator failures are due to dirt or contamination. Always keep a cover on the fill orifices when you are not filling the NINJA PRO V2 regulator system. If you use compressed air, make sure that the compressor providing that air is equipped with "working" filters and moisture separators.

SLOWLY Screw your NINJA PRO V2 regulator system into your markers ASA fitting you may wish to see an airsmith for help or call: 1.877.NINJAUSA (1.877.646.5287) for assistance.

NINJA PRO V2 REGULATORS have a Safety Vent Groove on the stem (As shown above images). This lifesaving feature allows for the venting of the bottle, in the event that the regulator is unscrewed from the bottle with pressure present in the bottle.

Always check to make sure there is no gap between the bottle and the regulator before filling. See Illustration below. If there is a gap, DO NOT USE THE NINJA PRO V2 REGULATOR.

The Anchors are the result of contaminated air. Remember, most regulator failures are the result of contaminated air.

If a 1.8K burst disk has been used and the burst disk is still present, do not refill the air system for use.

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Connecting your NINJA PRO V2 regulator
Prior to any use of your NINJA PRO V2 air system please do the following:

Always wear eye protection, gloves and point the air system in a safe direction away from yourself and all bystanders prior to degassing the system!

Inspect to make sure the bonnet screws (3) and rotational sleeve set screws (3) are present and securely tightened.

Never remove the set screws or adjust the rotational sleeve with pressure present in the bottle.

Rotational Adjustment:

The following tools are required at most hardware stores:

- 5-64 Allen Wrench
- 8-32 screw 2” or 4” long

After connecting the NINJA PRO V2 regulator system into your markers ASA fitting you may wish to orient your NINJA PRO V2 Regulator. The NINJA PRO V2 Regulator has full 360 degree rotation. Follow these simple steps:

Before Proceeding, make sure your system has been completely degassed via the output ball valve, to ensure that no trapped compressed gas is present!

Do not adjust with air in your tank: Tank must be empty

1. Using a 5-64 allen wrench loosen (turn counterclockwise) the (3) rotational collar set screws.

2. Grasp the bottle and turn the NINJA PRO V2 Regulator to your desired location.

3. Tighten the (3) 8-32 rotational collar set screws securely.

4. Fill your air system and you are ready to play.

Never tamper with the rotational adjusting collar, the collar is not removeable!

Filling the NINJA PRO V2 regulator system

The NINJA PRO V2 Regulator system is equipped with the industry standard "O2 Styl" III fitting, which allows the NINJA PRO V2 regulator system to be refilled either on or off the marker. The NINJA PRO V2 Regulator system may be filled with either Clean Air Compressed Air or nitrogen.

Never tamper with the rotational adjusting collar, the collar is not removeable!

When filling your NINJA PRO V2 regulator system do not exceed the pressure rating shown on NINJA PRO V2 REGULATOR CYLINDER’S LABEL.

Do not apply or inject oil of any type to the fill or burst disc ports. Oil will vaporize and possibly ignite during the fill procedure causing injury or death.

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It is important to keep dirt, oil and water out of your NINJA PRO V2 regulator system. Most regulator failures are due to dirt or contamination. Always keep a cover on the fill orifices when you are not filling the NINJA PRO V2 regulator system. If you use compressed air, make sure that the compressor providing that air is equipped with "working" filters and moisture separators.

SLOWLY Screw your NINJA PRO V2 regulator system into your markers ASA fitting. It is recommended that you apply Paintball Gun Lube on the NINJA PRO V2 Regulator bonnet threads. This simple procedure will reduce bonnet and ASA thread wear. The NINJA PRO V2 Regulator has a "ball valve" output valve which shuts off the gas delivery when the power system is removed from the marker.

Fasten the Bonnet counter clockwise from the Reg Body. The bonnet should unscrew easily. Make sure there is no trapped air in the bonnet by depressing the valve.

Gas Distribution body.

Always check to make sure there is no gap between the bottle and the regulator before filling. See Illustration below. If there is a gap, DO NOT USE THE NINJA PRO V2 REGULATOR.

The Anchors are the result of contaminated air. Remember, most regulator failures are the result of contaminated air.

If a 1.8K burst disk has been used and the burst disk is still present, do not refill the air system for use.

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Rotational Adjusting Collar

For reference purposes, consult the exploded parts diagram page 8.

Spare parts & rebuild kits available at your local Ninja dealer or ninjapaintball.com

Always wear eye protection, gloves and point the air system in a safe direction away from yourself and all bystanders prior to degassing the system!

Before proceeding, make sure your system has been completely degassed via the output ball valve, to ensure that no trapped compressed gas is present!

Do not apply or inject oil of any type to the fill or burst disc ports. Oil will vaporize and possibly ignite during the fill procedure causing injury or death.

When filling your NINJA PRO V2 regulator system do not exceed the pressure rating shown on NINJA PRO V2 REGULATOR CYLINDER’S LABEL.

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It is important to keep dirt, oil and water out of your NINJA PRO V2 regulator system. Most regulator failures are due to dirt or contamination. Always keep a cover on the fill orifices when you are not filling the NINJA PRO V2 regulator system. If you use compressed air, make sure that the compressor providing that air is equipped with "working" filters and moisture separators.

SLOWLY Screw your NINJA PRO V2 regulator system into your markers ASA fitting. It is recommended that you apply Paintball Gun Lube on the NINJA PRO V2 Regulator bonnet threads. This simple procedure will reduce bonnet and ASA thread wear. The NINJA PRO V2 Regulator has a "ball valve" output valve which shuts off the gas delivery when the power system is removed from the marker.
If you are not comfortable with disassembling the regulator bring the regulator to a qualified air smith or call 1-877-NINJAUSA. 

If the bonnet does not easily unscrew, make sure the system is completely degassed by depressurizing the ball valve to exhaust any trapped gas.

After separating the bonnet from the gas distribution body, remove the SRT piston with spring stack. Carefully push the Piston Assembly into the piston bore in the bonnet. The Piston must be properly seated in the Bonnet before proceeding further. The Piston is properly seated if it cannot be pushed in any further and the piston body is protruding from the hole in the bonnet.

Belleville spring stack orientation, Belleville spring stack, Belleville spring correct orientation, Belleville Spring Stack, Belleville Spring Stack, SRT Piston, SRT Piston, SRT Piston, SRT Piston, SRT Piston. Do not use tools to remove the SRT piston as this may damage the piston. Firmly grip the end of the piston and wiggle the piston while pulling.

Clean the inside of the NINJA REGULATOR body and bonnet with a cotton swab.

To assemble, lightly lubricate both SRT piston and “O” rings using paintball gun lube. DO NOT USE OIL.

Reinstall the shims as described on page 4. DO NOT APPLY HEAT! If the bonnet does not easily unscrew, see a qualified airsmith or call 877-646-5287 for assistance.

NINJA FILL CHECK VALVE REPLACEMENT part #13

ONLY REPLACE WITH GENUINE NINJA FILL CHECK VALVE. The Fill check valve assembly on your Ninja regulator is one of the items that will require periodic replacement, either due to leakage or mechanical damage to the OD portion, follow the procedure below:

IF THE REGULATOR SHOULD BECOME “LOCKED” INTO THE MARKERS ASA, DO THE FOLLOWING

• Do not use the bottle with the regulator attached as a ‘LEVER’ to remove the air system / regulator from the ASA.

Burst Disk Replacement

For safety and reliability only use NINJA replacement parts. Watch the video at www.ninjapaintball.com.

All NINJA compliant Burst Disks are used on paintball regulators and CO2 valves for both the D.O.T. (Department Of Transportation) required bottle protection and downstream over-pressure protection.

Four (4) most common burst discs:

1. Unless the strut is inserted into the NINJA Fill check valve as show below, and screw the new assembly into your regulator. Turn it in until it is hand tight, and then tighten a further 1 1/2 turns. It should not be necessary to exceed 100 inch-pounds of torque to achieve sealing. If leaks still occur STOP contact an Airsmith or call 877-NINJAUSA (646-5287) FOR ASSISTANCE.

2. Visually inspect the female port on for damage or debris and blow out if necessary.

3. Clean the inside of the NINJA REGULATOR body and bonnet with a cotton swab.

WARNING SERIOUS PERSONAL INJURY OR DEATH FROM IMPROPER DISC REPLACEMENT. IT IS ABSOLUTELY ESSENTIAL THAT YOU REPLACE FAILED UNITS WITH EXACT REPLACEMENTS!! ASTM UNIFIED BURST DISCS HAVE THE PRESSURE IDENTIFICATION STAMPED ON THE HEAD OF THE DISC. SOME DISCS MAY HAVE THE PRESSURE IDENTIFIER ON THE SIDE OF THE DISC, SEE ILLUSTRATION ABOVE. If you are unsure do not guess, see a qualified airsmith or call 877-646-5287 for assistance.

To replace a unified burst disk assembly, tools required 3/8” box wrench.

1. Unscrew (turn counterclockwise) the failed unit, and discard it. They are not serviceable.

2. Visually inspect the female port for damage or debris and blow out if necessary. If the port is damaged, do not replace the disc. Contact an airsmith or call 877-646-5287 for assistance. We recommend the female port be checked with a 3/8-24 UFM-28 go/no go gauge available at www.mscdirect.com.

If you have any questions call NINJA @ 877-646-5287 for assistance.