



CHANGE THE GAME
D3FYSPORTS.COM



D3FY Sports Inc.
Visit www.d3fysports.com for our contact information.

TABLE OF CONTENT

4	IMPORTANT HPA AIR TANK SAFETY INSTRUCTIONS AND GUIDELINES
6	GETTING STARTED
8	MICRO SQ BOARD
16	TRIGGER ADJUSTMENT
17	F2 BOLT ENGINE
18	REGULATOR
19	LPC FEED NECK
20	DIRECT DRIVE SYSTEM SOLENOID / VALVE

22	RYSE ON/OFF ASA
23	O-RING LIST
25	SCREW LIST
28	INTERNAL PARTS
31	EXTERNAL PARTS
34	ELECTRONICS
35	WARRANTY
36	D3S DIAGRAM



IMPORTANT SAFETY INSTRUCTIONS AND GUIDELINES

- The D3S marker is not a toy. Misuse may cause serious injury or death.
- Please read, understand and follow the directions in the D3S owner's manual.
- Eye protection that is designed specifically for paintball and meets ASTM/CE standards must be worn by user and persons within range.
- Recommend 18 years or older to purchase. Person under 18 must have adult supervision.
- Always treat the D3S marker as if it were loaded and able to fire.
- Only use compressed air or nitrogen gas in the D3S marker. DO NOT USE CO2
- Do not exceed 850 psi input pressure.
- Only use .68 caliber paintballs that meet ASTM/CE standards.
- Ensure all screws and fittings are tightened and secured before gassing up the D3S.
- Always chronograph the D3S marker before playing paintball.
- Never shoot the D3S marker at velocities in excess of 300 feet per second, or at velocities greater than local or national laws allow.
- Never look into the barrel or breech area of the D3S when the marker is switched on and able to fire.
- Compressed gas is dangerous, do not allow compressed gas to come in contact with your skin or try to stop a leak by covering it with your hand.
- Always fit a barrel-blocking device to your D3S when not in use on the field of play.
- The owner's manual and any related warnings or instructions should always accompany the product for reference or in the event of resale and new ownership.
- Do not shoot at people, animals, houses, cars or anything not related to the sport of paintball.
- Do not point the D3S marker at anything that you do not intend to shoot.
- Do not fire the D3S without the bolt screwed in completely.

IMPORTANT HPA AIR TANK SAFETY INSTRUCTIONS AND GUIDELINES

- Any modifications or tampering of original factory parts will Void all warranties and liabilities from D3FY SPORTS.
- If you read these instructions and do not fully understand them or are unsure of your ability to make necessary adjustments properly, call D3FY SPORTS or your local pro shop for help.

HPA AIR TANK Safety

- Tank valves must be installed or removed by qualified personnel.
- All tanks must be retested before the expiration date.
- Improper use, filling, storage of this air tank may cause death, serious injury and property damage.
- Air tanks must be filled only by properly trained personnel.
- Tanks heated to a temperature of 250F° degrees (121°C) or more must be condemned or re-qualified.

- Do not expose tanks to corrosive materials and do not clean with caustic cleaners.
- Do not alter tanks in any way.
- Keep air tanks out of reach of children.
- The valve should NEVER detach from the tank canister. Should this occur, seek assistance from a qualified airsmith immediately.
- Air tanks are use for the sport of paintball only.
- **ONLY USE HPA AIR TANKS**

STOP IMMEDIATELY if valve starts to unscrew from the tank itself. Screw the tank back onto the marker's Bottom ASA adapter and contact a qualified airsmith for further assistance.

1. Remove the three left hand side grip panel screws(S-048) using a 2mm Allen key that is provided with the D3S. Open the grip panel and attach a 9V battery onto the battery harness(E-076). Close the grip panel and tighten on the three screws(S-048). While closing the panel observe that no wires get caught between the frame and grip panel.

2. Screw the two piece barrel to the front of the D3S. Make sure it threads all the way in and is secure. Place the barrel blocking device over the tip of the barrel and secure the strap around the back of the D3S.

3. Use a 3mm Allen key on screw(S-007) to tighten your loader into the LPC Feedneck. For best performance it is recommended to use a force-feed electronic loader.

4. Make sure the RYSE ASA Knob is in the off position before installing an HPA/N2 Tank. To turn the RYSE ASA Knob in the off position, turn the knob counter clockwise until you see a 1/4 inch gap between the knob and the ASA. Screw the HPA/ N2 air tank into the

RYSE On/Off ASA, by turning the air tank clockwise all the way until it is firmly tightened. Turn the RYSE ASA Knob Clockwise until it is flush with the ASA. The D3S is now pressurized.

CAUTION: Never use any hand tools to screw the air tank on or off from the RYSE On/Off ASA.

5. Fill up the loader with .68 caliber paintballs.

Recommend using force-feed electronic loader for best performance.

6. Always point your D3S at a “SAFE” direction before use. To turn on the D3S, press and hold the bottom button located on the back of the trigger frame until the D3S turns on. A green LED comes on indicating the D3S is on. Your D3S is now live and ready to fire.

CAUTION: The D3S is now LIVE; pulling the trigger will make the D3S fire. Make sure the barrel blocking device is in place. Only test your D3S in a safe direction or in an organized paintball field.

7. Remove the barrel blocking device before firing the D3S. Shoot the D3S over a chronograph to check the velocity/fps (feet per second). If adjustment is needed, adjust the velocity by turning the Regulator adjustment screw(S-042) with a 3mm Allen key. To increase the velocity, turn the screw in (clockwise). To decrease the velocity turn the screw out (counter-clockwise).

NOTE: After each adjustment take a few shots for the regulator to set. Never adjust the D3S to shoot above 300fps or what the field rules / local laws permit.

8. After playing, remove all paintballs from your hopper/loader. Then detach the hopper/loader from the D3S.

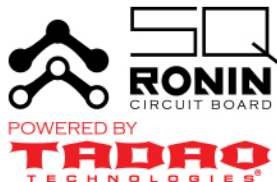
CAUTION: There may be 1-2 paintballs in the breach of the D3S. In a safe direction, take a couple of shots to insure the D3S is completely clear of any paintballs.

9. Turn the RYSE On/Off ASA Knob to the off position. Then unscrew the HPA / N2 air tank from the RYSE On/Off ASA.

Caution: Never store the D3S with an air tank attached and the RYSE On/OFF ASA in the on position.

10. Turn off the D3S by holding the bottom button until the LED turns off. Remove the barrel and store the D3S in a safe storage place.

Reminder: When not operating and storing the D3S for an extended amount of time, it is best to disconnect and remove the battery to prevent the battery life from draining.



PLEASE REFER TO TADAO SQ RONIN CIRCUIT BOARD MANUAL

Micro SQ RONIN CIRCUIT BOARD

The Tadao SQ Ronin Board caters to all levels of play, with features like; Eye status, Battery life, LED Menu system and Zero power drain while turned off. The board also offers the Industry's first anti-breach bounce software which reduces chopping when the loader is running low on paint. Multiple modes of fire to ensure compliance with all major tournament series: unlimited semi-automatic, adjustable semi-automatic, PSP ramping, PSP 3 round burst, NXL full-automatic, Millennium ramping, custom ramping, auto-response, 3 round burst and full-automatic.

ADJUSTMENT SCREW



To adjust your trigger. Locate the trigger adjustment screw (S-051) on the upper portion of the trigger.

CLOCKWISE



Turning the trigger adjustment screw in (clockwise) with 1.5mm Allen key will shorten the trigger pull. Moving the trigger closer to the trigger switch

COUNTER-CLOCKWISE

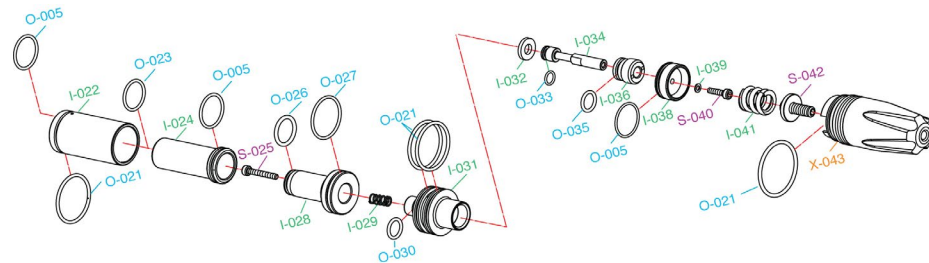


Turning the trigger adjustment screw out (counter-clockwise) will lengthen the trigger pull. Moving the trigger further away from the trigger switch.



F₂
BOLT ENGINE

The F2 Bolt engine unique design integrates both the bolt and pressure regulator into a single functioning system. Allowing the marker to operate between 140 and 150 psi.



VELOCITY ADJUSTMENT

To adjust the D3S velocity, use a 3mm Allen Key to turn the Regulator screw(S-042). To increase the velocity, turn the screw in (clockwise). To decrease the velocity, turn the screw out (counter-clockwise). Make only small adjustments at a time, shooting 3 to 5 shots between each adjustment to allow the regulator to set its new pressure .

NOTE: NEVER ALLOW YOUR D3S MARKER TO EXCEED 180 PSI AND 300 FPS AT ANY TIME.

CLOCKWISE



Turn clockwise to increase velocity

COUNTER-CLOCKWISE



Turn counter-clockwise to decrease velocity



LPC FEED NECK

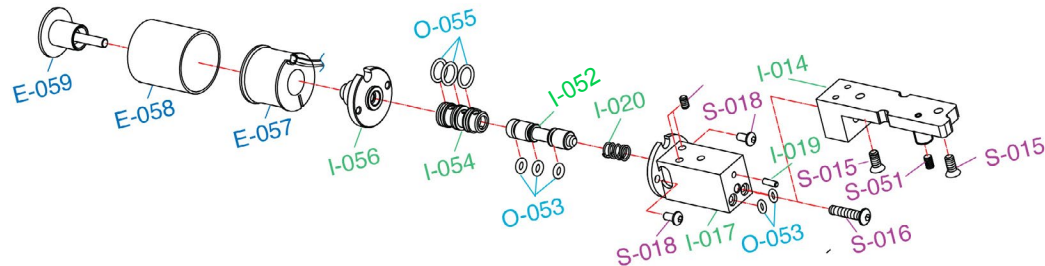
This aero-dynamic low profile feed neck keeps your hopper/loader grounded and secure.





DIRECT DRIVE SYSTEM Solenoid

The Direct Drive System Solenoid directs air to the F2 Bolt engine allowing for a smooth and low operating pressure. Specific air ports were placed to reduce the amount of air needed to propel the paintballs from the barrel without compromising it's efficiency. Thus giving you more time on the field and less time off.





The slick contour profile On/Off ASA raises the airflow from the bottom of the trigger frame up to the regulator without the use of fittings or hose lines. It's smooth beveled knob gives the player a reliable grip for an effortless transition of switching the knob on or off.

CLOCKWISE















To place the RYSE On/Off ASA ON turn the ASA knob clockwise.



COUNTER-CLOCKWISE











To place the RYSE On/Off ASA OFF turn the ASA knob counter-clockwise.





Item#	Description	Qty	Item#	Description	Qty
	O-002 Barrel Tip O-ring (CS 1.78 x 18.77 ID)	1		O-026 Bolt Guide Piston Tip O-ring (012)	1
	O-005 D3 O-ring (CS 1.5 x 17.5 ID)	4		O-027 Bolt Guide Piston Base O-ring (CS 1.2 x 20 ID)	1
	O-021 F2 O-ring (CS 1.5 x 21.5 ID)	4		O-030 Bolt Guide Piston Inner O-ring (CS 1.5 x 8 ID)	1
	O-023 Bolt Bumper O-ring (CS 1.5 x 15.5 ID)	1		O-033 Regulator Piston O-ring (CS 1.5 x 5 ID)	1





Item#	Description	Qty
 O-035	Airport / Regulator Piston Cover O-ring (CS 1.5 x 9.5 ID)	2
 O-046	Trigger Port O-ring (CS 1.5 x 5.5 ID)	1
 O-053	Solenoid Piston O-ring (CS 1 x 2 ID)	5
 O-055	Solenoid Piston Sleeve O-ring (CS 1 x 6 ID)	3



Item#	Description	Qty
 O-062	ASA Knob O-ring (011)	1
 O-066	ASA Pin O-ring (CS 2 x 4 ID)	1



Item#	Description	Qty
 S-004	Front Trigger Frame Screw (M5x19L - P0-8)	1
 S-007	LPC Feedneck Screw (M4x12L - P0.7)	1
 S-010	Back Plate Retention Screw (M3x12L - P0.5)	1
 S-015	Valve Plate Screw (M3x8L - P0.5)	2

Item#	Description	Qty
 S-016	Solenoid Housing To Valve Plate Screw (M3x14L - P0.5)	1
 S-018	Circuir Board / Coil Set Screw (M2.5x5L - P0.45)	4
 S-025	Bolt Guide Piston Screw (M3x20L - P0.5)	1
 S-040	Regulator Piston Base Screw (M3x12L - P0.5)	1

Item#	Description	Qty
 S-042	Regulator Adjustment Screw	1
 S-045	Rear Trigger Frame Screw (M5x8L - P0.8)	1
 S-048	Grip Panel Screw (M3x6L - P0.5)	6
 S-051	Trigger Adjustment Screw (M3x5L - P0.5)	2





Item#	Description	Qty
 S-060	Solenoid Timing Screw (M4x18L - P0.7)	1
 S-063	RYSE ASA Screw (M5x28L - P0.8)	2
 S-068	Solenoid Timing Retention Nut (M4)	1
 S-071	Foregrip Retention Screw (M4x6L - P0.7)	1





Item#	Description	Qty
 S-073	Back Plate Retention Nut (M3)	1
 S-074	Solenoid Housing Screw	2

Item#	Description	Qty
 S-077	Eye Cover Screw (M3x6L - P0.5)	2
 S-082	Receiver Screw	2

21





INTERNAL PARTS





	Item#	Description	Qty
	I-011	D3S Receiver	1
	I-012	Ball Detent	2
	I-014	Valve Plate	1
	I-017	Solenoid Housing	1

	Item#	Description	Qty
	I-020	Solenoid Piston Spring	1
	I-022	Bolt Can	1
	I-024	Bolt	1
	I-028	Bolt Guide Piston	1

INTERNAL PARTS



22

	Item#	Description	Qty
	I-029	Bolt Guide Piston Spring	1
	I-031	Regulator Piston Housing	1
	I-032	Regulator Piston Seat Seal	1
	I-034	Regulator Piston	1

	Item#	Description	Qty
	I-036	Regulator Piston Cover	1
	I-038	Regulator Piston Base	1
	I-041	Regulator Spring	1
	I-049	Trigger Switch Roll Pin	3








23







INTERNAL PARTS




Item#	Description	Qty	Item#	Description	Qty
	I-052 Solenoid Piston	1		I-065 ASA Pin	1
	I-054 Solenoid Piston Sleeve	1		I-072 Valve Plate Seal	1
	I-056 Coil Set back plate	1		I-083 Regulator Retention Spring	1





EXTERNAL PARTS

24

Item#	Description	Qty	Item#	Description	Qty
	X-001 Barrel Tip	1		X-009 Rhyno Skin Rear Attachment Plate	1
	X-003 Barrel Back	1		X-043 Regulator Housing	1
	X-006 Feed Neck Collar	1		X-044 Trigger Frame	1
	X-008-L Feed Neck	1			

Item#	Description	Qty	Item#	Description	Qty
	X-050 Trigger	1		X-067 On/Off ASA Knob	1
	X-061 Fore Grip	1		X-070 Membrane Pad	1
	X-064-B RYSE On/Off ASA Housing (Black)	1		X-075 Fore Grip Bottom Cover	1
	X-064-G (Green)	1			
	X-064-T (Teal)	1		X-078 Left Optic Cover	1

Item#	Description	Qty	Item#	Description	Qty
	X-079 Right Optic Cover	1		X-081 Wrap around Grip Panels	1
	X-080 Rhyno Skin Body Cover	1			

	Item#	Description	Qty
	E-013	ACROS (Eyes)	1
	E-047	Trigger Switch	1
	E-A50	Coil Set	1
	E-059	Coil Pin	1

	Item#	Description	Qty
	E-069-R	SQ Ronin Circuit Board	1
	E-076	Battery Harness	1

D3FY Sports Inc. provides one year warranty from date of purchase on D3FY OEM products. D3FY will repair or replace any product which is deemed to possess a manufacturer defect. Normal wear and tear is not covered under warranty. **REGISTER YOUR MARKER AT WWW.D3FYSPORTS.COM**

PLEASE READ THE FOLLOWING WHEN CLAIMING WARRANTY.

1. Call D3FY SPORTS at 909.623.8801 to first acquire a return RMA number and an address to send your product.
2. Your RMA number expires 14 days from the date it was given to you by our warranty department.
3. Send your D3FY product with the following information inside the package.
 - a) A copy of your receipt dated within one year for a D3FY product.
 - b) If you don't have your receipt we can repair your product for a nominal fee.
 - c) Write the RMA number on the outside of the package. Packages received by D3FY with no RMA number visible will be refused no exceptions. D3FY SPORTS strongly recommends that you send your package via a carrier providing a tracking

number. D3FY SPORTS is not liable for any packages lost in transit. We are only responsible for product we've received.

4. Our warranty covers replacement or repair of defective products only, as determined by our technicians or RMA staff.
5. All products must be registered on our warranty database within 30 days of purchase for warranty coverage to be valid.
6. Warranty is void when non-OEM internal upgrade / replacement parts are installed. D3FY Sports will not be responsible for compatibility issues between various manufactures.
7. Warranty is void when the product is abused, altered, or disassembled in any way, or shows any sign of alteration, or is past the one year warranty period.

PLEASE READ THE FOLLOWING WHEN REQUESTING FOR A REPAIR

1. To assist you with any technical issues with our products. Please contact our Tech Department at tech@d3fysports.com or call us at 909.623.8801

D3S DIAGRAM

