



T9.1™

OWNERS MANUAL



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WARNINGS

WARNING/LIABILITY STATEMENT

This marker is not a toy and is surrendered by UTS, with the understanding that the purchaser assumes all liability from unsafe handling or any action that constitutes a violation of any applicable laws or regulations. UTS, shall not be liable for personal injury, loss of property or life resulting from the use of this product under any circumstances, including any intentional, reckless, negligent or accidental discharges.

All information contained in this manual is subject to change without notice. UTS, reserves the right to make changes and improvements to products without incurring any obligation to incorporate such improvements in products previously sold.

If you, as a user, do not accept liability, UTS, requests that you do not use a UTS marker. By using this UTS marker you release UTS, of any and all liability associated with its use.



WARNING: PAINTBALL GUNS AND PAINTBALL GUN ACCESSORIES ARE NOT TOYS!

- Careless use or misuse may result in serious bodily injury or death!
- Eye protection designed for paintball must be worn by the user and all persons within range.
- Must be 18 years of age or older to operate or handle any paintball gun and paintball gun accessories without adult or parental supervision.
- Read and understand all cautions, warnings, and operating manuals before using any paintball gun or paintball gun accessory.
- Do not aim paintball gun at eyes or head of people or at animals.
- Paintball guns are to be used with paintballs only.
- To prevent fire or shock hazard, do not expose unit to rain or moisture.
- To prevent fire or shock hazard, do not immerse unit in liquids.
- To prevent fire or shock hazard, do not disassemble any electronic paintball device.
- The disposal of the battery if used to power this product may be regulated in your area.
- Please conform to all local or state regulations with regard to battery disposal.
- Use common sense and have fun.

Any tampering with the unit voids your warranty. There are no consumer serviceable parts inside this unit. The use of non factory authorized components within this product may cause a fire or shock hazard.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFFECIVE PRODUCT OR THE USE OF ANY PRODUCT.

WARNING: This product may contain chemicals known to the state of California to cause cancer and/or defects or other reproductive harm. Wash hands afer handling.

You must be at least 18 years of age to purchase this product. This product may be mistaken for a firearm by law enforcement officers or others. Altering the color of the product or brandishing the product in public may be dangerous and may be considered a crime.



QUICK START GUIDE

Thank you for purchasing the First Strike T9.1 paintball marker. Like any paintball marker, it is important that safety is on the forefront of your mind at all times when using this product. Never operate the T9.1 without ASTM compliant goggles or aim at anyone that is not wearing proper goggles intended for the game of Paintball. The First Strike T9.1 is an advanced system that is suitable for all levels of play and will provide years of service if the following steps are meticulously followed.

1. Before airing up, place 3 drops of First Strike approved oil at the top of the CO₂ Air Cavity.
2. Insert the barrel into the front of the T9.1, and twist into locked position by inserting your finger into the barrel and twisting.
3. Insert 12gram CO₂ cartridge into Magazine by placing in CO₂ Cavity.
4. Engage the air source by twisting flip-knob base screw.
5. Insert magazine into grip firmly
6. Dry fire 3-4 times to distribute oil evenly through the marker.
7. Also chrono your T9.1 prior to use.

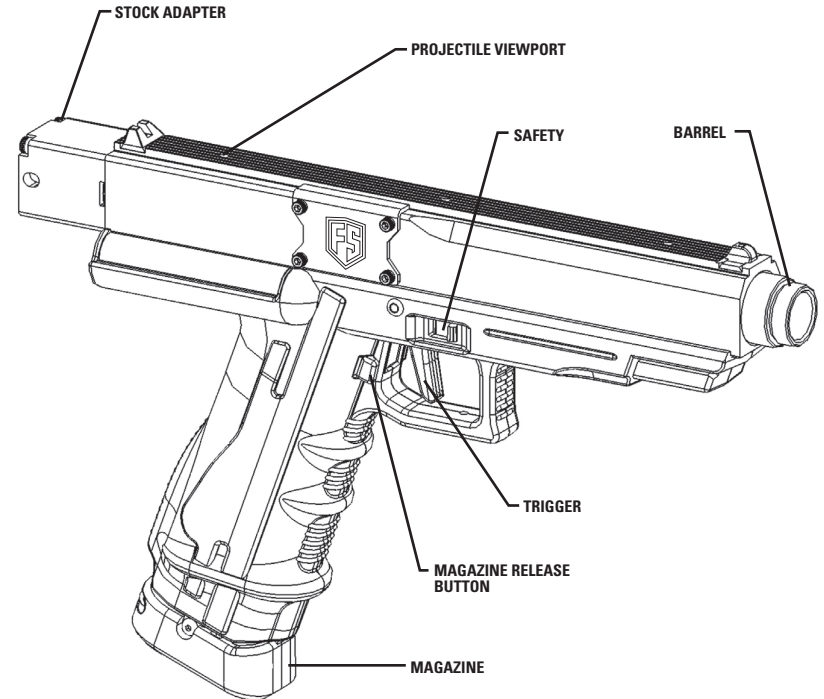
→ CATCH TECH TIPS AND INFO ON:



→ DON'T FORGET TO REGISTER!

Register your T9.1 at www.first-strike.com

T9.1 DIAGRAM

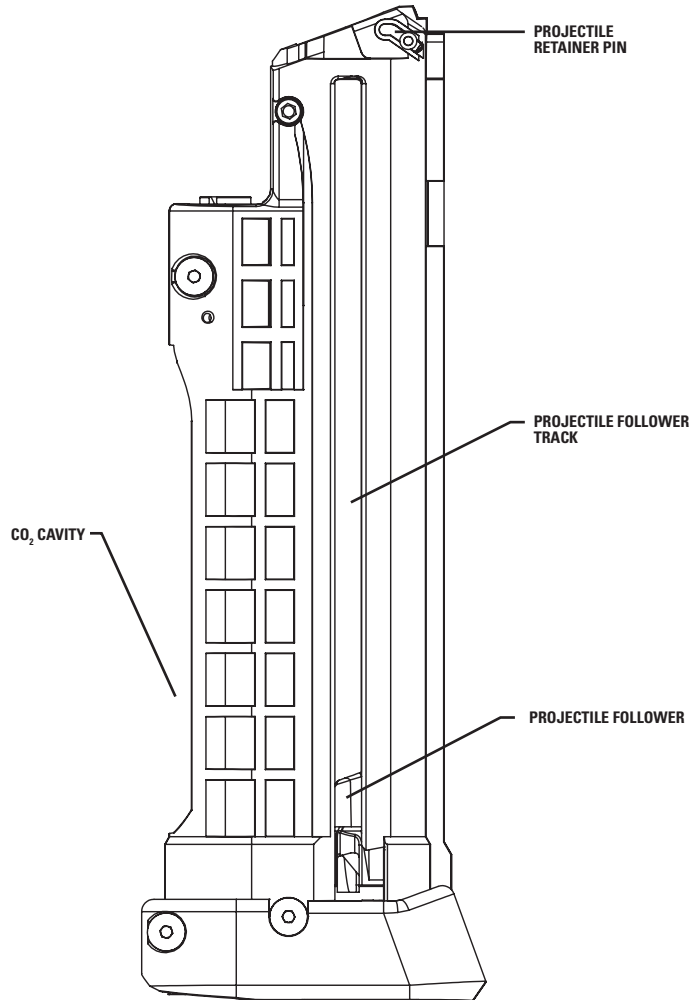


MODEL SPECIFICATIONS

CALIBER	.68	HEIGHT	8"
ACTION	SEMI-AUTO	BARREL LENGTH	6.5"
POWER	CO ₂	WEIGHT	2.7 LBS
LENGTH	11"	MAGAZINE	8 ROUNDS

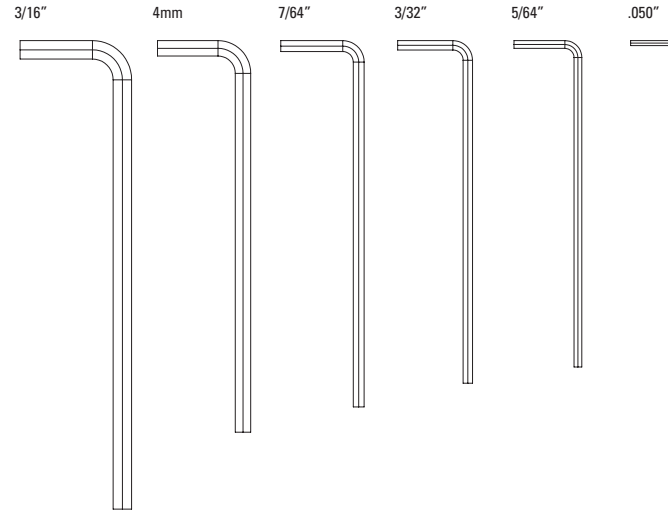


T9.1 MAGAZINE DIAGRAM

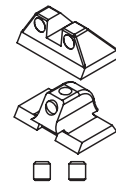


UNIVERSAL PACK INVENTORY LIST

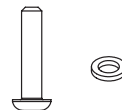
ALLEN WRENCHES



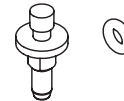
FRONT & REAR SIGHT



FRONT HANDLE SCREW & WASHER



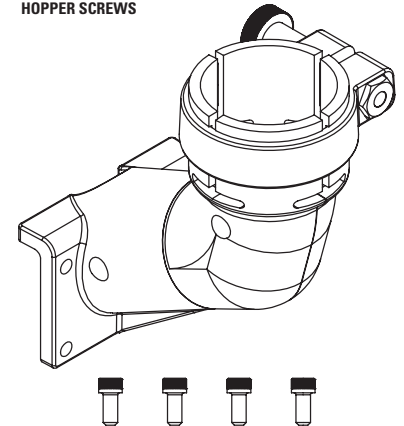
SOLID CO2 STEM WITH O-RING



REG BODY PLUG



HOPPER ELBOW AND HOPPER SCREWS





OPERATIONAL INSTRUCTIONS

GETTING STARTED

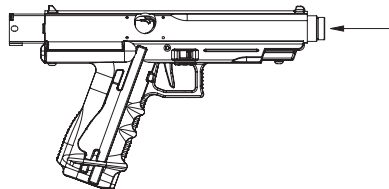
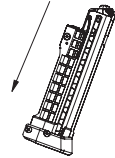
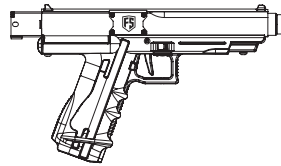
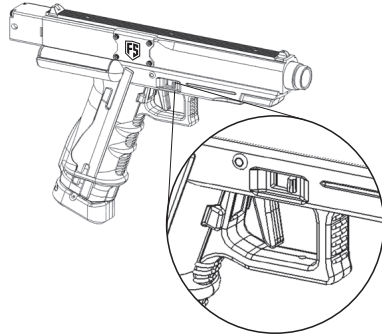
Read this entire manual before using this marker. Keep your marker pointed in a safe direction at all times.

1. SAFETY - Place the T9.1 in safe position by moving safety so no red is visible. The safety is ambidextrous and can be operated from either side of the T9.1.

* Visible red indicates that launcher can discharge.

2. UNLOADING MAGAZINE - Ensure that there are no projectiles in your marker by placing your hand under the magazine, pressing the magazine release, and pulling the magazine free from the T9.1.

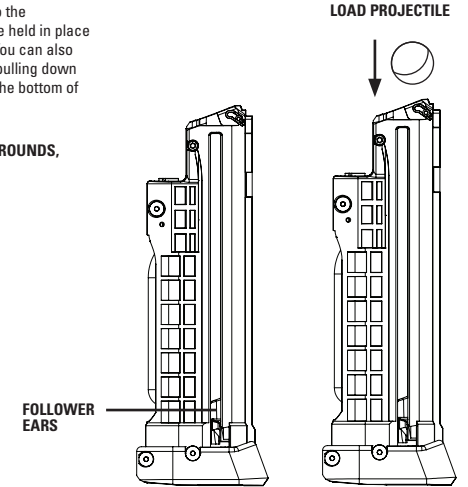
3. REMOVING THE BARREL - Ensure that there are no projectiles remaining in the marker by removing the magazine and looking through the grip into the breach. Then you can remove the barrel by pressing on the end of the barrel and rotating it counterclockwise. Note the channel in the barrel and the barrel lock in the receiver as it slides free. To reattach the barrel, line up the channel with the barrel lock, slide the barrel back in the receiver, push on the end of the barrel, and turn clockwise until the barrel locks into place. Pull on the end of the barrel to ensure it is properly seated.



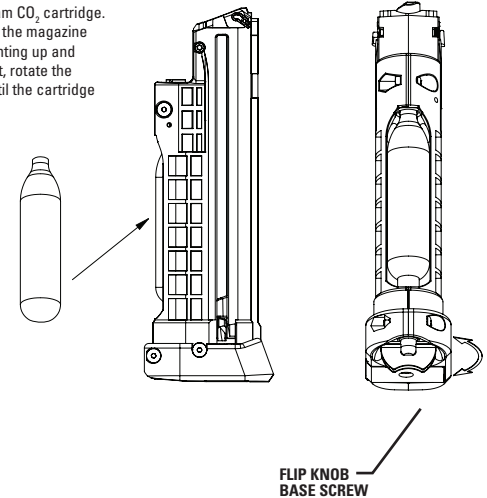
OPERATIONAL INSTRUCTIONS

4. LOAD PROJECTILES - Place 8 projectiles into the magazine from the top. The projectiles will be held in place automatically by the projectile retainer pin. You can also lock the ball pusher in the down position by pulling down on the ball pusher ears and locking them at the bottom of the ball pusher track.

NOTE: FOR INSTRUCTIONS ON FIRST STRIKE ROUNDS, PLEASE REFERENCE PAGE 10.



5. LOADING CO₂ CARTRIDGE - Obtain a 12 gram CO₂ cartridge. Insert the CO₂ cartridge into the CO₂ slot of the magazine with the small end of the CO₂ cartridge pointing up and into the puncture pin of the magazine. Next, rotate the flip knob base screw clockwise quickly until the cartridge has sealed.

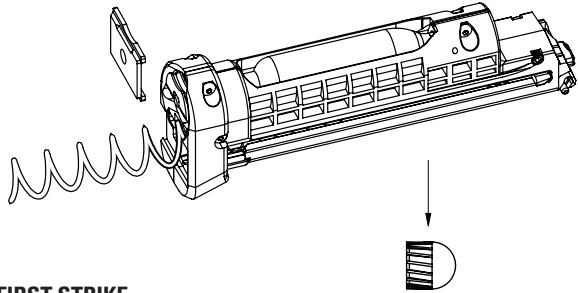




OPERATIONAL INSTRUCTIONS

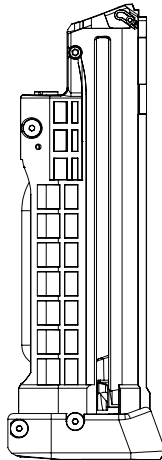
RED SPRING/SILVER SPRING

When using First Strike™ projectiles, make sure the red magazine spring is installed. The silver spring is designed for use with traditional .68 caliber paintballs. While the red spring can be used with traditional .68 caliber paintballs, its higher tension increases the risk of the paintballs deforming over time.

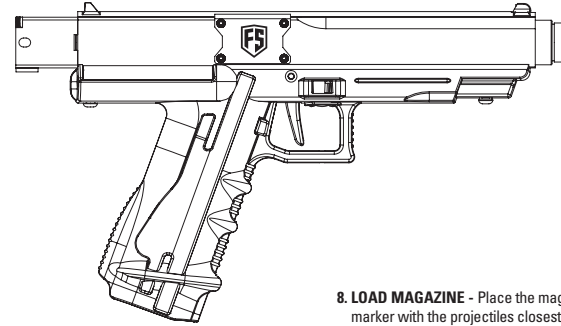


LOADING FIRST STRIKE

Always load First Strike projectiles so rounded nose exits barrel first. Always chronograph with First Strike before use to ensure velocity is below 300 fps.

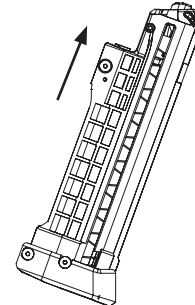


OPERATIONAL INSTRUCTIONS



8. LOAD MAGAZINE - Place the magazine in the grip of the T9.1 marker with the projectiles closest to the end of the barrel. Once the mag has started into the grip seat, it completely until has been secured by the magazine release.

NOTE: If magazine does not lock on first insertion, remove it completely and reinsert.





OPERATIONAL INSTRUCTIONS

FIRING THE T9.1

1. If the CO2 cartridge has been punctured by the puncture pin and the magazine has been inserted into the gun, then the T9.1 is now ready to fire. Point the T9.1 in a safe direction, rotate the safety so red is visible, and pull the trigger.

NOTE: Extra magazines can be carried for quick reloads in the field.

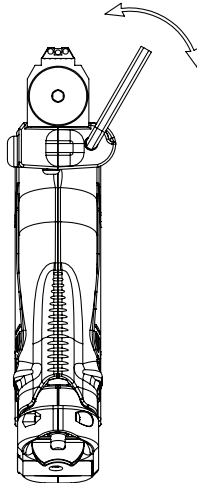
UNLOADING THE T9.1

1. Place T9.1 in the safe mode and point in a safe direction. If all projectiles have been fired, place hand under magazine and press magazine release with other hand. Catch magazine so it does not fall on ground. Visually inspect the magazine well to ensure all projectiles are clear from the T9.1. Visually inspect the projectile view port to ensure all projectiles are clear.
2. If all projectiles have not been fired, follow above procedures but ensure that you turn the T9.1 on its side while removing the magazine. The projectile that is in the chamber will be free and can fall on the ground if the T9.1 is kept in a vertical position. Place your hand under the magazine well and capture the loose projectile as you turn the T9.1 vertically.
3. Pull back on the projectile retainer pin to remove the projectiles from the magazine and turn the flip knob base screw counterclockwise to free the CO2 cartridge from the magazine.
4. Your T9.1 should now be free of any projectiles. Verify the T9.1 is on safe and store in a safe and secure location.

SET VELOCITY

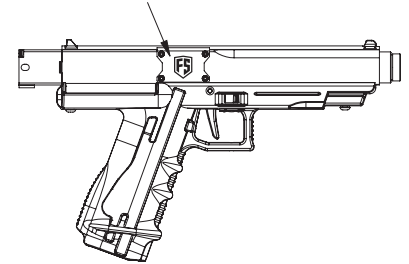
1. Insert provided 3/16" Allen wrench as depicted.
2. To increase velocity, turn clockwise. To decrease velocity turn counter-clockwise.
3. Fire once to clear chamber after each adjustment, then measure velocity of the second shot.

SAFETY TIP: Always measure marker's velocity before playing paintball. Never shoot at velocities in excess of 300 ft/s (91.44 m/s). Recommended velocity is 270 ft/s.

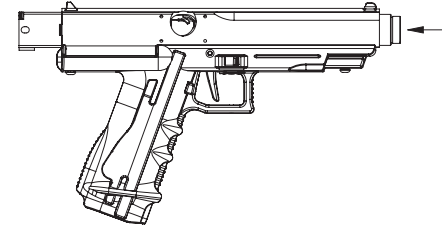


HOPPER ATTACHMENT

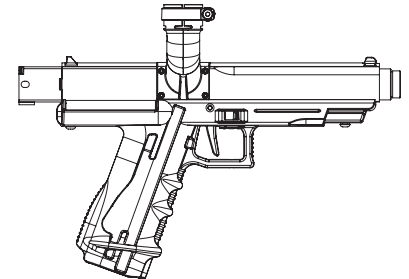
1. **REMOVE HOPPER COVER PLATE** - Remove the Hopper Cover Plate by removing the four (4) Cover Plate Screws (H-B 440 3/16) by using a 1/16 Allen Wrench.



2. **ROTATE BARREL** - With the magazine removed, push in on the barrel and rotate clockwise until it locks in the hopper position, so that you can see the breach through the hopper window.



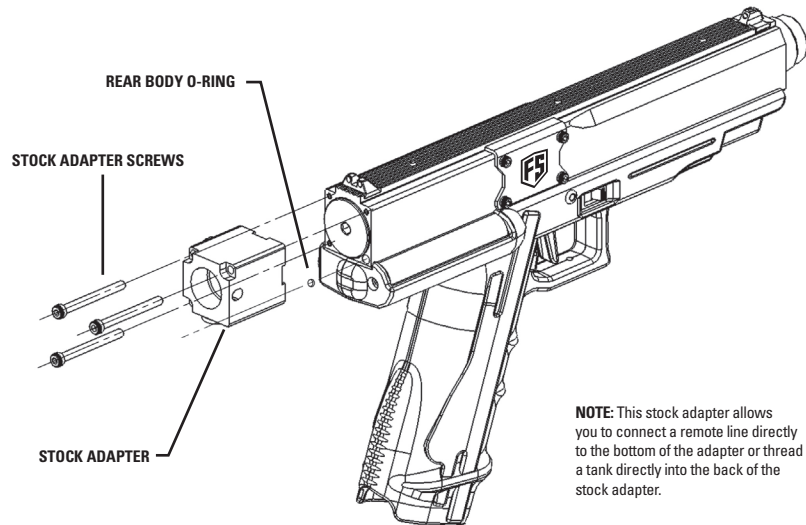
3. **ATTACH HOPPER ELBOW** - Attach the Hopper Elbow located in the universal pack that came with the rifle using the four (4) Hopper Screws, also located in the universal pack. These screws require a 3/32 Allen Wrench.





REMOVING & RE-INSTALLING STOCK ADAPTER

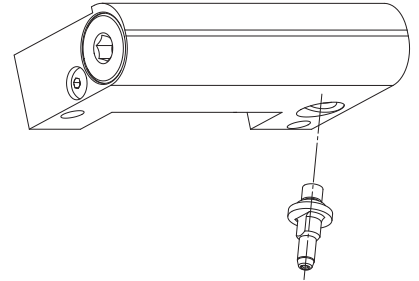
1. Before removing the stock adapter remove all air sources. Point the marker in a safe direction and fire until all air has left the marker.
2. Using the 7/74" Allen Wrench from your Universal Pack, remove the three (3) Stock Adapter Screws.
3. Be sure not to lose the Rear Body O-Ring or there will be nothing to hold it in place once the stock adapter has been removed.
4. To operate the T9.1 without the Stock Adapter in place, you must replace the forward most regulator body O-Ring with a 006 Reg Body Plug. (See page 22)
5. To re-install the Stock Adapter, first position the Rear Body O-Ring onto the lower right corner of the marker body and press the Stock Adapter onto it. Then re-install the three (3) Stock Adapter Screws. (Snug all 3 screws before tightening)
6. To begin using the stock adapter again, remove the Reg Body Plug from the regulator and re-install the 006-B90 Reg Body O-Ring.



SOLID CO₂ STEM & SIGHT INSTALLATION

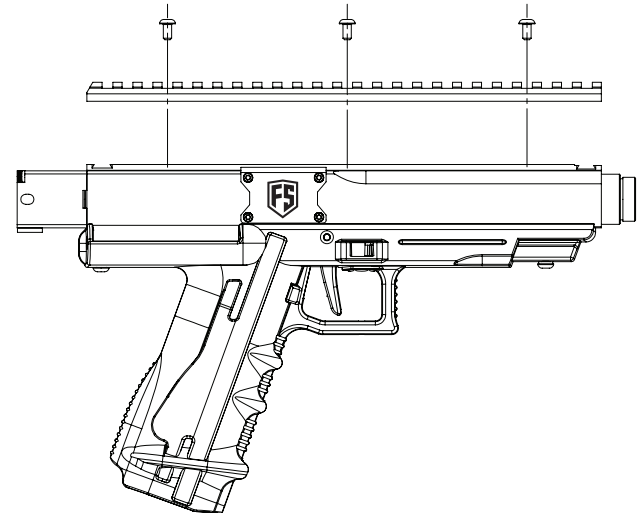
SOLID CO₂ STEM INSTALLATION

1. To replace the CO₂ Stem with the Solid CO₂ Stem, first remove the grip frame from the gun body assembly. (See page 18)
2. The CO₂ Stem can be removed with a 4mm wrench or a small adjustable wrench. Be sure that O-Ring is on the Solid CO₂ Stem. DO NOT OVER TIGHTEN onto the Reg.



SIGHT INSTALLATION

1. To install the sights that came with you universal pack, first remove the Top Tac Rail. To do this remove the three (3) Tac Rail Screws with 3/32" Allen Wrench.
2. To install the sights, slide the sights into the dovetails on the top of the gun body and secure using the set screws with a .050 Allen Wrench that came with the universal pack.





T9.1 CLEANING & MAINTENANCE

CLEANING

- Never perform maintenance on a loaded or pressurized T9.1 marker.
- Remove all projectiles and CO₂ cartridges from the magazine and marker prior to doing any cleaning or maintenance.
- Never use petroleum based cleaning solvents or lubricants.
- Do not use cleaning solvents that come in aerosol cans.
- To clean the T9.1 marker, remove the barrel as described in the “Operational Instructions”. Use a .68 caliber soft nylon brush or 12 gauge patch tip with a soft cotton cloth to clean the barrel. Do not place lubricant or water in the barrel of the T9.1. It is designed to be used with the barrel completely dry.
- Keep the barrel of the T9.1 dry.
- Wipe off any dirt or grime from the outside of the T9.1 with a dry cloth.

OILING THE MARKER

IMPORTANT: Before performing any of the following instructions, remove magazine. Point marker in safe direction and discharge until degassed.

FOR OPTIMUM PERFORMANCE, DO THE FOLLOWING MONTHLY:

1. Place one drop of oil between trigger release and trigger rotator. (See Page 29)
2. Remove the regulator spring pad (See page 22) and oil the regulator spring pad O-Ring.
3. Remove the engine assembly (See page 20) and lightly grease the AC Cap O-Ring.
4. Place one drop of oil on CO₂ O-Ring found at top of CO₂ Valve and Magazine (See page 24).

OPERATIONAL CONSIDERATIONS

- The operational temperature range for the T9.1 Pistol is 37° F to 120°F.
- If the CO₂ cartridge is punctured in a magazine, it should be replaced if the T9.1 is not used for 24 hours.

WARRANTY & REPAIRS

First Strike® warranties to the original customer purchaser or current owner that this product is free from defects in material and workmanship under normal use and service for a period of 12 months from the original date of purchase by the initial owner/purchaser.

For warranty to be effective, customer must return the First Strike® Warranty Registration card that came with the product within thirty days of purchase or complete the online warranty form. First Strike® agrees to repair or replace (at its discretion) any product within a reasonable period of time. This warranty does not cover o-rings, scratches, nicks, normal wear and tear of parts, any modifications or normal fading of anodizing or damage caused by dropping or hitting of products. This warranty shall not apply if it is shown by First Strike® that the consumer caused the defect or malfunction because of misuse. This warranty only covers original factory parts. Any modifications or tampering of original factory parts will not be covered by this warranty. Any damage caused by water will not be covered by this warranty.

If your paintball product requires repair, please package it carefully and send together with your name, address, phone number, and a brief description of the malfunction to:

First Strike Warranty Support
2717 Ferguson Rd
Fort Wayne, IN 46809

Phone Free: 260-478-2500
9:00am-4:00pm Eastern / Mon-Fri

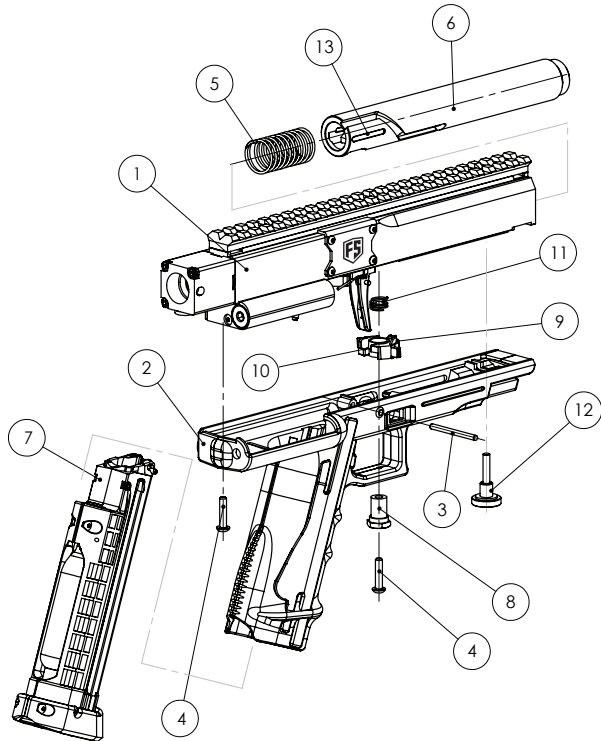
Note: Always remove the air source or degas the marker while not in use.



T9.1 ASSEMBLY DIAGRAM

ITEM NO.	NAME
1	Gun Body Assembly
2	Handle
3	Trigger Pin
4	Handle Screw-Front
5	Firing Bolt Spring
6	T9.1 FS Barrel
7	Magazine Assembly

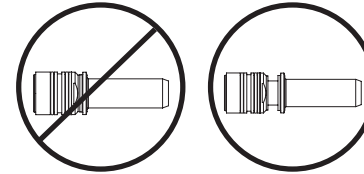
ITEM NO.	NAME
8	Safety Bushing
9	Safety-Left
10	Safety-Right
11	Safety Spring
12	Shroud Mounting Screw
13	Rubber Nubbin



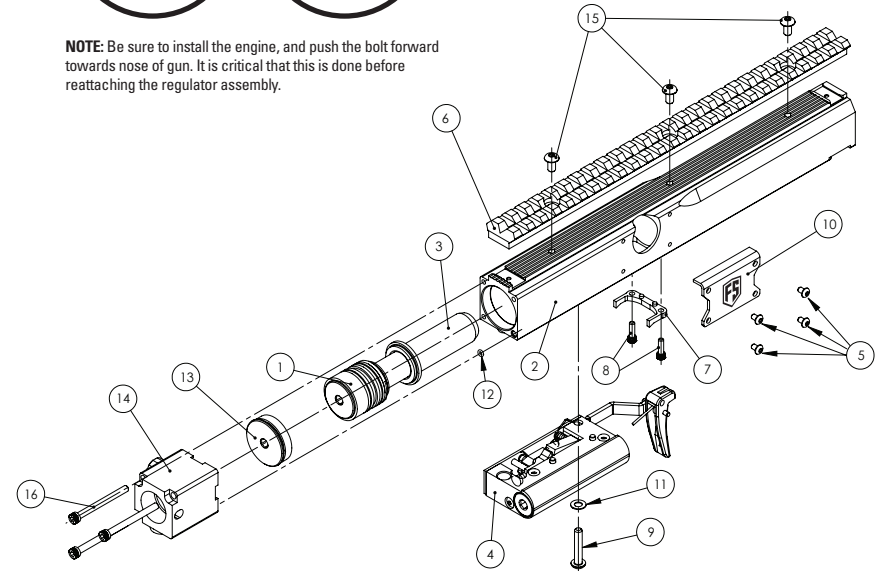
GUN BODY ASSEMBLY

ITEM NO.	NAME
1	Engine Assembly
2	T9.1 Gun Body
3	Firing Bolt Assembly
4	Regulator/Trigger Assembly
5	T9.1 Plate Screw
6	Tac Rail - Upper
7	Ammo Release Fork
8	Release Fork Screw

ITEM NO.	NAME
9	Reg Body Screw
10	Hopper Cover Plate
11	Reg Body Internal Tooth Washer
12	Rear Body O-Ring
13	Gun Body Cap
14	T9.1 Stock Adapter Assembly
15	Tac Rail Screw-T9.1
16	Stock Adapter Screw



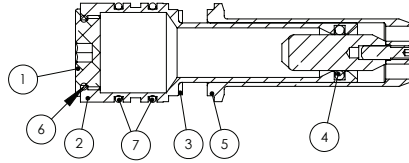
NOTE: Be sure to install the engine, and push the bolt forward towards nose of gun. It is critical that this is done before reattaching the regulator assembly.



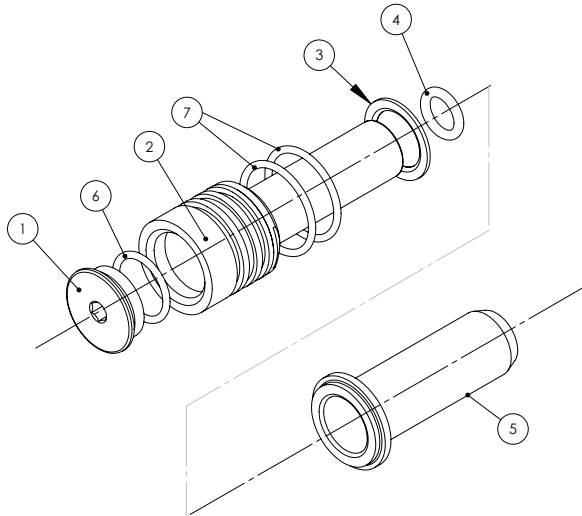


ENGINE & FIRING BOLT ASSEMBLY

ITEM NO.	NAME
1	Air Chamber Plug
2	Air Chamber
3	AC Shock Absorber
4	AC Cap O-Ring
5	First Strike Firing Bolt
6	AC Plug O-Ring
7	AC OD O-Ring

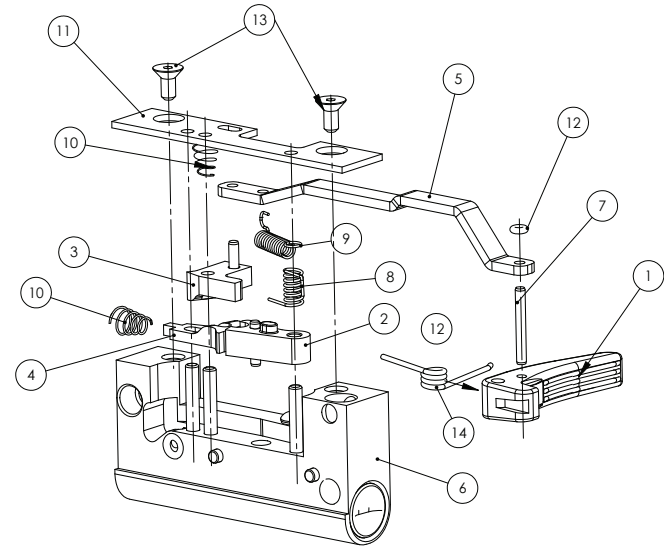
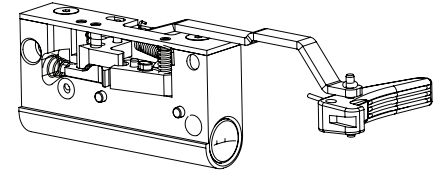


NOTE: Do not attempt to disassemble bolt and firing pin (Item 5). The alignment is set by factory fixtures and cannot be reassembled outside the factory.



TRIGGER GROUP

ITEM NO.	NAME
1	Trigger
2	Sear
3	Rotator
4	Release
5	Push Rod
6	Regulator Body
7	Trigger Spring Pin
8	Sear Spring
9	Rotator Return Spring
10	Release/Rotator Spring
11	Trigger Cover
12	Push Rod O-Ring
13	Trigger Cover Screw
14	Trigger Return Spring

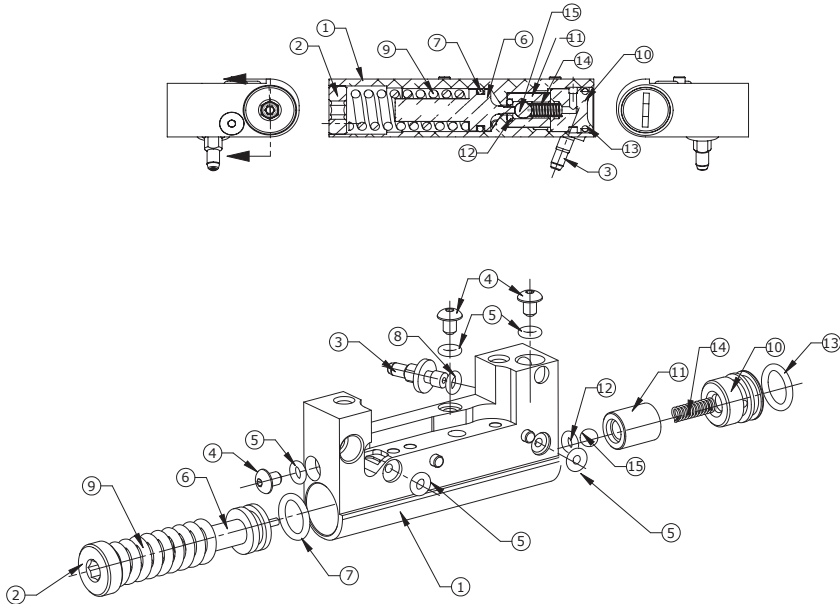




REGULATOR

ITEM NO.	NAME
1	Regulator Body
2	Regulator Adjuster
3	Stem
4	Regulator Sealing Screw
5	Reg Sealing/Reg Body O-Ring
6	Regulator Spring Pad
7	Regulator Spring Pad O-Ring
8	CO ₂ Stem O-Ring

ITEM NO.	NAME
9	Regulator Spring
10	Regulator End Screw
11	Regulator Valve Sleeve
12	Regulator Valve O-Ring
13	Regulator End Screw O-Ring
14	Regulator Valve Spring
15	Regulator Valve Ball



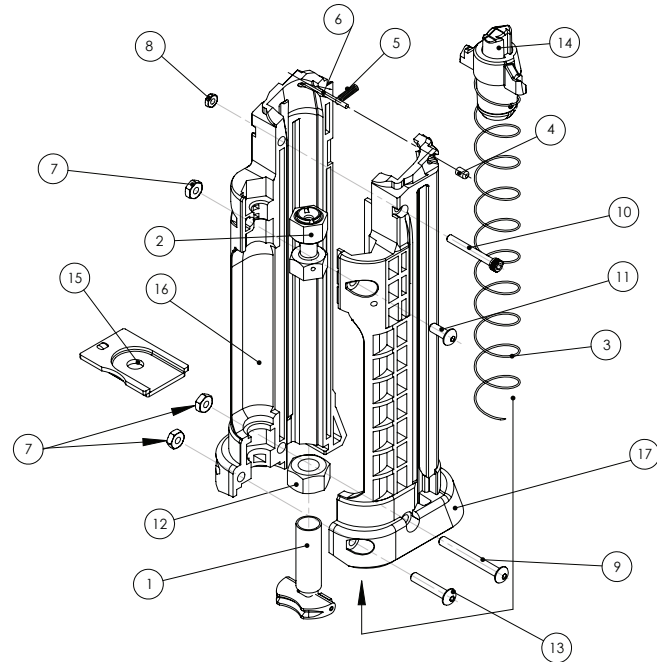
NOTE: O-Ring #12 is the same size and color as O-Ring #5 on Page 24. This O-Ring is harder than the O-Ring on Page 24.

Relief valve is preset at the factory and is not user serviceable. Consult factory or authorized service center for assistance.

MAGAZINE

ITEM NO.	NAME
1	Base Screw
2	CO ₂ Valve Housing Assembly
3	8.1 Magazine Spring
4	Retainer Pin Cap
5	Magazine Retainer Spring
6	Mag Ball Retainer Pin
7	Magazine Body Nut
8	Magazine UC Nut
9	Magazine Screw-LC

ITEM NO.	NAME
10	Magazine Screw-UC
11	Magazine Screw-UR
12	CO ₂ Base Screw Nut
13	Magazine Screw-LR
14	Ball Pusher Assembly
15	Magazine Slide Base
16	Main Magazine Body-L
17	Main Magazine Body-R

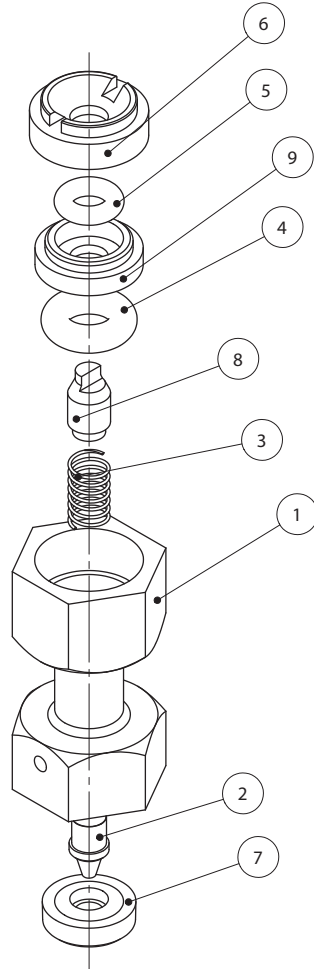




CO₂ VALVE HOUSING

ITEM NO.	NAME
1	CO ₂ Valve Body
2	CO ₂ Puncture Tip
3	CO ₂ Valve Spring
4	Housing O-Ring
5	CO ₂ Valve Spacer O-Ring
6	CO ₂ Valve Cap
7	CO ₂ Seal
8	CO ₂ Drum Valve
9	Valve Spacer

NOTE: O-Ring #5 is the same size and color as O-Ring #12 on Page 22. This O-Ring is softer than the O-Ring on Page 22.



TROUBLESHOOTING

PAINT BREAKAGE

If you experience more than a small number of broken paintballs, then there are 4 things to check:

1. First, be sure that the marker is free of broken paintballs and other debris.
2. Second, make sure that the barrel is locked in its correct position, and that both detents are installed so that they catch a projectile as it enters the breach.
3. Third, make sure that the red First Strike™ spring is not installed in the magazine (See page 10)
4. Fourth, make sure the maker is set to a reasonable velocity (never over 300 ft. per sec.)

MAGAZINE

If your magazine is leaking CO₂, it is coming from one of three seals:

- **CO₂ seal (#7 - Page 26)** - CO₂ leaks back toward the CO₂ Canister
- **CO₂ Valve Spacer O-Ring (#5 - Page 24)** - CO₂ leaks when the magazine is inserted in marker
- **Housing O-Ring (#4 - Page 24)** - CO₂ leaks from the top of the magazine while the magazine isn't inside the gun. If the magazine is leaking slightly from this area, try inserting and ejecting into the maker 2-3 times. This may seat the valve and eliminate the leak.

TRIGGER INSTALLATION

The trigger is equipped with the trigger return spring. When installing the trigger into the grip of the marker, be sure the trigger and both sides of the spring go through the trigger hole in the grip.

BOLT PUSH

When re-assembling the marker be sure to push the bolt forward before installing the regulator. (See note on page 19.) To push the bolt the barrel and bolt spring must be removed from the marker.



NOTES



T9.1 WARRANTY REGISTRATION CARD:

NAME: _____

ADDRESS: _____

DATE OF PURCHASE: _____

SERIAL NUMBER: _____

**Please detach from product manual,
place in stamped envelope and send to:**

First Strike Paintball Warranty Support
2717 Ferguson Rd.
Fort Wayne, IN 46809





FIRST STRIKE®

Headquarters:

28101 Ballard Dr. Ste. F
Lake Forest, IL 60045

Manufacturing/Warranty

2717 Ferguson Rd
Fort Wayne, IN 46809

- 1-260-478-2500
- service@first-strike.com
- FIRST-STRIKE.COM

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Patent Info here: www.first-strike.com/patents