

TIPPMANN™

98 CUSTOM™

Owner's
Manual
Manual
del Usuario
Le Manuel
du Propriétaire



**WARNING**

THIS IS NOT A TOY. MISUSE MAY CAUSE SERIOUS INJURY OR DEATH. EYE, FACE AND EAR PROTECTION DESIGNED FOR PAINTBALL MUST BE WORN BY THE USER AND ANY PERSON WITHIN RANGE. WE RECOMMEND AT LEAST 18 YEARS OLD TO PURCHASE. PERSONS UNDER 18 MUST HAVE ADULT SUPERVISION WHEN USING THIS PRODUCT. READ THE OWNER'S MANUAL BEFORE USING THIS PRODUCT.

**AVERTISSEMENT**

CE N'EST PAS UN JOUET. L'USAGE IMPROPRE PEUT CAUSER LA BLESSURE SÉRIEUSE OU LA MORT. LA PROTECTION POUR LES YEUX, LE VISAGE ET LES OREILLES CONSTRUITE POUR LA BALLE DE PEINT DOIT ÊTRE PORTER PAR L'UTILISATEUR ET N'IMPORTE QUELLE PERSONNE DANS LE CHAMP DE TIR. NOUS RECOMMANDONS QU' ON A DIX – HUIT ANS AU MOINS POUR L'ACHETER. LES PERSONNES SOUS L'ÂGE DE DIX – HUIT ANS DOIVENT AVOIR LA SUPERVISION D' UN ADULTE QUAND ON EMPLOIE CE PRODUIT. IL FAUT LIRE TOUT DE CE MANUEL AVANT DE L'UTILISER.

**ADVERTENCIA**

ESTO NO ES UN JUGUETE. UN USO INAPROPIADO PUEDE CAUSAR SERIAS HERIDAS O MUERTE. OJOS, CARA Y OIDOS DEBEN SER PROTEGIDOS TODO EL TIEMPO, CON LA PROTECCIÓN DISEÑADA PARA PAINTBALL TANTO POR JUGADORES COMO POR CUALQUIER PERSONA QUE ESTE EN EL RADIO DE ALCANCE. RECOMENDAMOS AL MENOS 18 AÑOS PARA LA COMPRA Y USO. LAS PERSONAS MENORES DE 18 AÑOS DEBEN USAR ESTE PRODUCTO BAJO LA SUPERVISIÓN DE UN ADULTO. ANTES DE USAR ESTE PRODUCTO LEA EL MANUAL DEL USUARIO.



WARNING

SAFETY IS YOUR RESPONSIBILITY

READ, FAMILIARIZE YOURSELF AND ANY OTHER USER OF THIS MARKER WITH THE SAFETY INSTRUCTIONS IN THIS MANUAL. FOLLOW THESE INSTRUCTIONS WHEN USING, WORKING ON, TRANSPORTING OR STORING THIS MARKER.



ALWAYS KEEP TRIGGER SAFETY IN SAFE MODE UNLESS FIRING AS DETAILED IN INSTRUCTIONS ON PAGE 4.



ALWAYS KEEP BARREL SLEEVE INSTALLED WHEN NOT IN SHOOTING SITUATION AS DETAILED IN INSTRUCTIONS ON PAGE 2.



AVERTISSEMENT

SÉCURITÉ EST VOTRE RESPONSABILITÉ

IL FAUT LIRE, VOUS FAMILIARISER ET TOUTS LES AUTRES UTILISATEURS DE CE MARQUEUR AVEC LES INSTRUCTIONS DE SÉCURITÉ DANS CE MANUEL. SUIVEZ CES INSTRUCTIONS QUAND VOUS UTILISEZ, TRAVAILLEZ SUR, TRANSPORTEZ, OU ENTREPOSEZ CE MARQUEUR.



IL FAUT TOUJOURS GARDER LA DÉTENTE DANS UNE MODE DE SÉCURITÉ SAUF QUAND ON TIRE COMME DÉTAILÉ DANS LES INSTRUCTIONS À LA PAGE 4.



IL FAUT TOUJOURS GARDER LA MANCHE DU CANON INSTALLÉE QUAND ON NE TIRE PAS COMME DÉTAILÉ DANS LES INSTRUCTIONS À LA PAGE 2.



ADVERTENCIA

LA SEGURIDAD ES SU RESPONSABILIDAD

EL PROPIETARIO Y TODA PERSONA QUE VA A USAR ESTE MARCADOR DEBE LEER Y FAMILIARISARCE CON LAS ISTRUCCIONES DE SEGURIDAD EN ESTE MANUAL. SIGA LAS INSTRUCCIONES DE USO, MANTENIMIENTO, TRANSPORTE Y ALMACENAJE DE ESTE MARCADOR.



MANTENGA SIEMPRE EL SEGURO DEL GATILLO ACTIVADO A MENOS QUE SE A NECESARIO HACER DISPAROS. INMEDIATOS COMO SE VE EN LAS INSTRUCCIONES EN LA PÁGINA 4.



MANTENGA LA FUNDA DE SEGURIDAD INSTALADA CUANDO NO ESTE HACIENDO DISPAROS COMO SE ILUSTRÁ EN LA PÁGINA 2.



WARNING

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WARNING

BARREL SLEEVE INSTALLATION

• EXCEPT WHEN YOUR MARKER IS IN USE, ALWAYS MAKE SURE THAT THE TRIGGER SAFETY IS IN SAFE MODE (SEE INSTRUCTIONS ON PAGE 4), AND THE BARREL SLEEVE IS PROPERLY INSTALLED ON YOUR MARKER AS SHOWN BELOW.

1) SLIDE BARREL INTO SLEEVE AND LOOP CORD OVER TOP OF RECEIVER AND POSITION AT BACK OF GRIP AS SHOWN BELOW.



2) PINCH CORD LENGTH ADJUSTOR BUTTON AND HOLD TO BACK OF GRIP AS YOU PULL CORD THROUGH IT UNTIL ADJUSTOR IS SNUG AGAINST BACK OF GRIP, THEN RELEASE BUTTON.

3) CHECK TO BE SURE YOU LEAVE ENOUGH CORD ELASTICITY TO PULL CORD/ADJUSTOR UP OVER TOP OF MARKER TO REMOVE BARREL SLEEVE FOR FIRING.



4) AFTER CORD LENGTH IS ADJUSTED, LOCK CORD LENGTH BY TYING A KNOT IN THE CORD AGAINST THE BACK OF THE ADJUSTOR AS SHOWN.

TIPPMANN™

2955 Adams Center Road, Fort Wayne, IN 46803 USA
P) 260-749-6022 • F) 260-749-6619
www.tippmann.com

ENGLISH

CONGRATULATIONS on your purchase of your Tippmann™ 98 CUSTOM™ paintball marker. We believe it to be the most accurate and durable paintball marker available, and proudly manufactured in the USA. The 98 CUSTOM™ will give many years of dependable service if cared for properly.

Please take time to read through this manual thoroughly and become familiar with the Tippmann™ 98 CUSTOM™ parts, operation, and safety precautions before you attempt to load or fire this marker. If you have a missing or broken part or need assistance, please contact Tippmann™ Consumer Relations at 1-800-533-4831 for fast friendly service.

TABLE OF CONTENTS

Warning/Caution	2
Warning/Caution Barrel Sleeve Installation	2
Warning/Liability Statement	4
Safety is your Responsibility	4
Safe Mode = Turning The Safety On	4
Fire Mode = Turning The Safety Off	4
Getting Started	6
1. Air Supply Cylinder Installation	6
2. Hopper	7
3. Velocity Adjustment	7
4. Rear Sight Adjustment	7
Schematic	8-9
Unloading Your Marker	10
Air Supply Cylinder Removal	10
Cleaning & Maintenance	10
Marker Disassembly	11
Repairing Air Supply Leaks	13
Storage	13
Specifications	13
Warranty and Repair Policy	14
Warranty or Repair Procedure	14
Warranty Registration	14

Warning/Liability Statement

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

All information contained in this manual is subject to change without notice. Tippmann Sports, LLC 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, Tippmann Sports, LLC requests you do not use a Tippmann Sports, LLC marker. By using this paintball marker you release Tippmann Sports, LLC of any and all liability associated with its use.

Safety Is Your Responsibility!



WARNING

TRIGGER SAFETY ACTIVATION

- EXCEPT WHEN YOUR MARKER IS IN USE, ALWAYS MAKE SURE THAT THE BARREL SLEEVE IS INSTALLED (SEE PAGE 2) AND THE TRIGGER SAFETY IS IN SAFE MODE WHICH DISABLES THE TRIGGER.



TO TURN ON THE SAFETY (SAFE MODE): PUSH THE SAFETY IN AS SHOWN ABOVE.

TO TURN SAFETY OFF (FIRE MODE): PUSH SAME BUTTON ON OPPOSITE SIDE OF RECEIVER.

FAMILIARIZE YOURSELF WITH SAFETY...

The ownership of this weapon places upon you the total responsibility for its safe and lawful use. You must observe the same safety precautions as you would any firearm to

Safety Is Your Responsibility (continued from page 4)

assure the safety of not only yourself but everyone around you. The user should at all times use caution when using this marker. The sport of Paintball will be viewed and judged upon your safe and sportsmanlike conduct. Always remember that the game of Paintball can only survive and grow if it remains **SAFE!**

- Do not load or fire this marker until you have completely read this manual and are familiar with its safety features, mechanical operation and handling characteristics.
- Handle this and any marker as if it were loaded at all times.
- Keep your finger off the trigger until ready to shoot.
- Do not look down the barrel of a paintball marker. Accidental discharge into the eyes may cause permanent injury or death.
- Keep the marker on safe until ready to shoot.
- Keep the barrel sleeve installed on marker when not shooting.
- Never point the marker at anything you do not intend to shoot.
- Never fire your marker at anything you do not intend to shoot because there may be balls or foreign debris lodged in the chamber, barrel and / or the marker valve.
- Do not shoot at fragile objects such as windows.
- Never fire your marker at personal property of others, the paintball can stain the paint of automobiles and houses.
- Always keep the muzzle pointed down or in a safe direction, even if you stumble or fall.
- Eye, face and ear protection designed specifically to stop paintballs in the form of approved goggles and full face mask should be worn by the user and any person within range.
- Never shoot at a person who is not protected by eye, face and ear protection designed for paintball.
- Pressurize and load the marker only when the marker will be immediately used.
- NOTE: Before storing or disassembling be sure to remove paintballs and air supply. Completely empty the hopper, point your marker in a safe direction, fire several times to be sure there are no balls lodged in the chamber and/or barrel or air left in the marker. Install barrel sleeve (see page 2).
- Store the marker unloaded and degassed in a secure place.
- Familiarize yourself with any warnings and instructions listed on the air supply cylinder. Contact the air supply cylinder manufacturer with any questions.

- Do not field strip or otherwise disassemble this marker while it is pressurized with air supply.
- Dress appropriately when playing the game of paintball. Avoid exposing any skin when playing the game of paintball. Even a light layer will absorb some of the impact and protect you from the paintballs.
- Keep exposed skin away from escaping gas when installing or removing air supply cylinder or if the marker or air supply is leaking. Compressed air, CO₂, and nitrogen gasses are very cold and can cause frostbite under certain conditions.
- Use only .68 caliber paintballs, never load or fire any foreign objects.
- Avoid alcoholic beverages before and during the use of this marker. Handling markers while under the influence of drugs or alcohol is a criminal disregard for public safety.
- Avoid shooting an opponent at point blank, 6 feet or less.
- Familiarize yourself with instructions listed on air supply cylinder or adaptor. Contact the air supply cylinder or adaptor manufacturer with any questions.
- Always measure your marker's velocity before playing paintball and never shoot at velocities in excess of 300 feet per second (see instructions on page 7).

Getting Started

1) Air Supply Cylinder Installation

- Do not pressurize a partially assembled paintball marker.
- First install barrel sleeve (see instructions on page 2).
- Next put trigger safety in Safe Mode (see instructions on page 4).
- Next you need to cock the marker by sliding the bolt handle all the way back until it locks into place. Always keep marker in the cocked position when air supply is attached to marker. This will help prevent an accidental discharge.
- To install the air supply cylinder, lubricate the cylinder valve o-ring with a little gun oil then insert the cylinder valve end into the air supply adaptor at the back end of the marker grip. Twist the cylinder clockwise into the marker until it stops. Adjust the butt plate if necessary. Your marker is ready to fire once you switch to Fire Mode from Safe Mode. If the tank is full and you do not hear the air supply engage, the pin valve could be too short or the pin valve seal is damaged.

2) Hopper

Barrel Sleeve must be installed (see page 2) and safety in Safe Mode (see page 4) before filling the hopper.

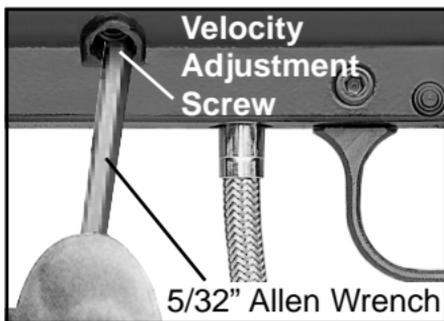
Make sure that the feed elbow and hopper are clean and free of any sharp edges to keep paintballs feeding into the marker smoothly.

Install the hopper neck into the feed elbow of your marker and tighten the hopper down with a 3/16" allen wrench.

NOTE: Do not overtighten or the elbow will break. With the barrel sleeve installed and safety in Safe Mode, you are now ready to load your hopper with paintballs. Fill hopper and only remove barrel sleeve and turn off the safety when ready to shoot.

3) Velocity Adjustment

Each time you play paintball, the velocity of your paintball marker should be checked with a chronograph, an instrument for measuring velocity, prior to playing paintball to verify that the marker's velocity is set below 300 feet per second or less if required by playing field.



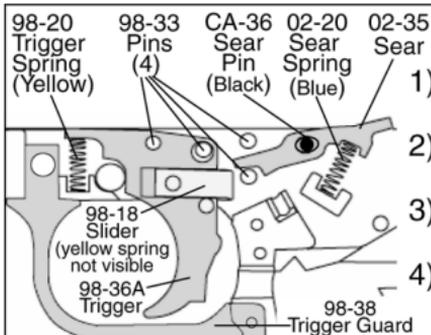
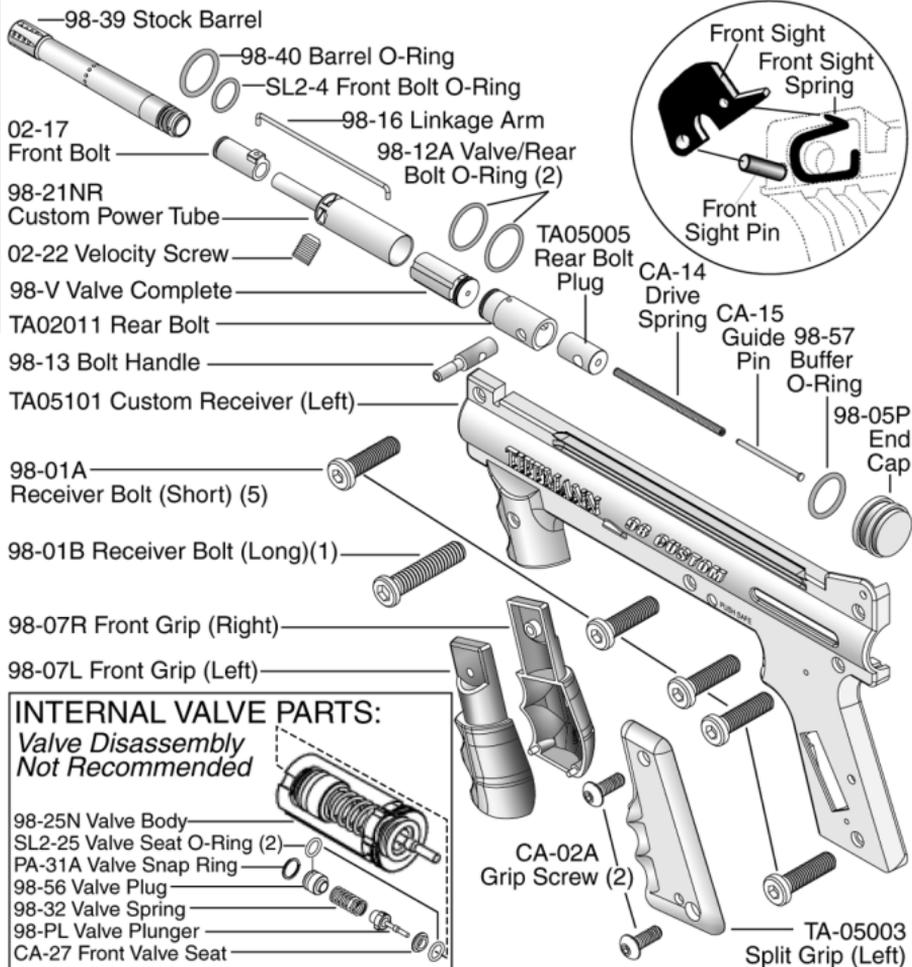
To adjust the velocity use the 5/32" allen wrench included with your marker. The velocity adjustment screw is located on left side receiver. To adjust the velocity down, turn the screw inward or clockwise. To turn the velocity up, turn the screw out or counterclockwise. Do not remove velocity screw.

NOTE: You must turn the velocity screw all the way in before doing any disassembly.

4) Rear Sight Adjustment

If your paintball is hitting low, slide the rear sight back towards rear of marker. Do the opposite if paintball is hitting high.

98 CUSTOM Parts List



TRIGGER ASSEMBLY

- 1) Place 4 dowel pins and 1 black sear pin into locations as shown.
- 2) Then place the trigger and sear onto pins as shown.
- 3) Insert sear spring (blue) as shown.
- 4) Insert trigger spring (yellow) as shown.



WARNING

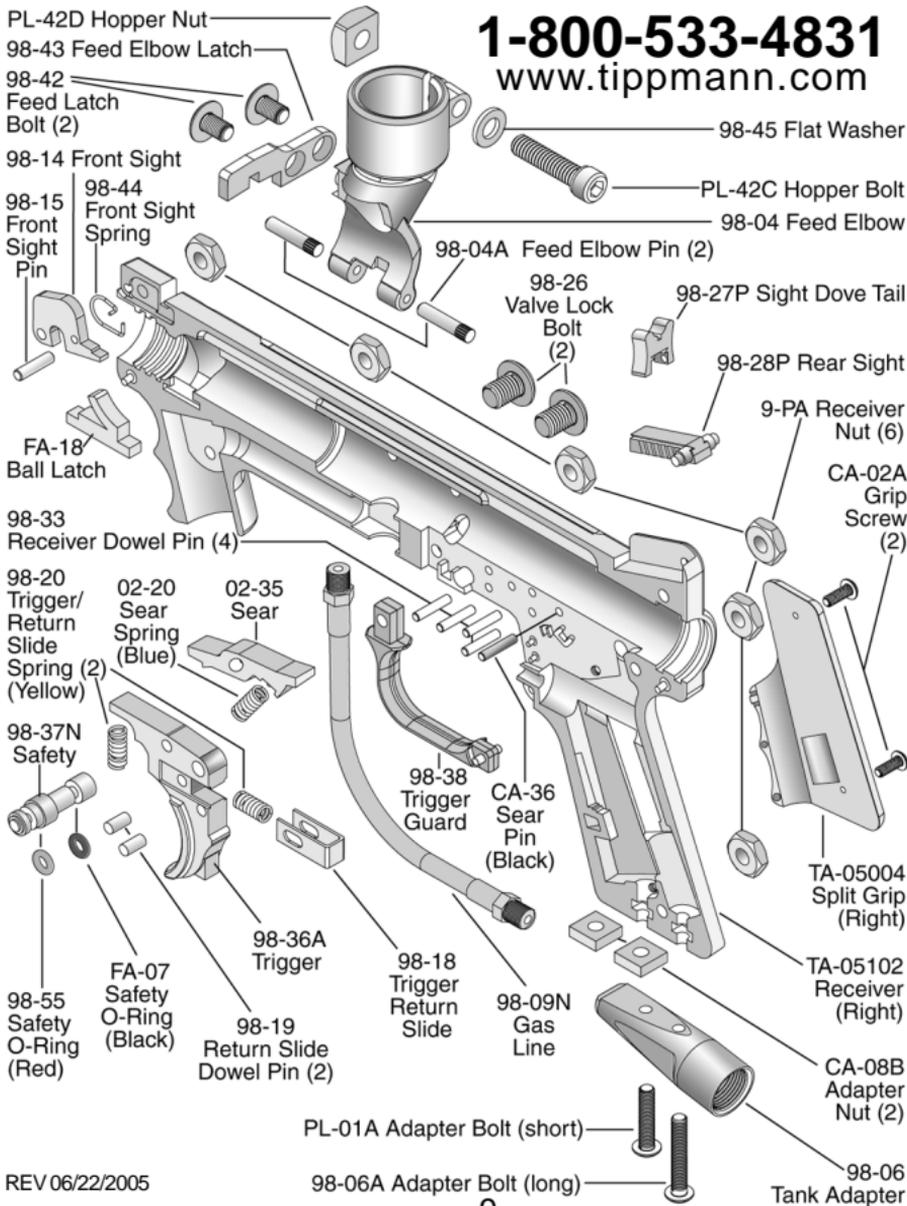
DO NOT FIELD STRIP OR OTHERWISE DISASSEMBLE THIS MARKER WHILE IT IS PRESSURIZED WITH AIR.

TIPPMANN™

1-800-533-4831

www.tippmann.com

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Unloading Your Marker

To unload your marker remove the hopper or completely empty the hopper. Then, point your marker in a safe direction and fire several times to be sure there are no balls lodged in the chamber and / or barrel. Install barrel sleeve (see page 2).

IMPORTANT: Do not uncock your marker as uncocking your marker may push a ball into the chamber or down into the barrel in which case the ball will be hidden from view.

Air Supply Cylinder Removal

To remove a charged air supply cylinder, turn the cylinder approximately 3/4 of a turn counterclockwise or out. This allows the air supply pin valve to close so that no air will enter the marker. Point the marker in a safe direction and fire the remaining gas in the marker by pulling the trigger until the marker stops firing. This may take 4-5 shots.

If your marker keeps firing after you have turned the tank 3/4 of a turn, the tank pin valve has not closed yet and you may have to turn the tank counterclockwise a little further.

If you turn the tank 3/4 of a turn and it begins to leak before you pull the trigger you have turned it too far and may have damaged the tank o-ring.

Because of the variances in tank valve parts, each tank varies slightly on exactly how far it should be turned. If this process does not work the tank pin valve could be too long.

NOTE: Before storing or disassembling be sure to remove paintballs and air supply. Completely empty the hopper, point your marker in a safe direction, fire several times to be sure there are no balls lodged in the chamber and/or barrel or air left in the marker. Install barrel sleeve (see page 2).

Cleaning & Maintenance

To reduce the chance of accidental discharge: First follow unloading and air supply removal instructions above and never disassemble a marker that is under pressure.

- Follow warnings listed on the air supply cylinder for handling and storage.
 - Familiarize yourself with instructions listed on air supply cylinder or adaptor. Contact the air supply cylinder or adaptor manufacturer with any questions.
 - Do not use any petroleum based cleaning solvents.
 - Do not use any cleaning solvents that come in aerosol cans.
- NOTE:** Petroleum based products and aerosol products can damage your markers' o-rings.

- To clean your paintball marker use a damp towel with water to wipe off paint, oil, and debris. We recommend using Tippmann™ marker oil or other premium gun oil to maintain your marker in good working condition. Re-oil with a few drops to the front bolt o-ring and rear bolt. We also

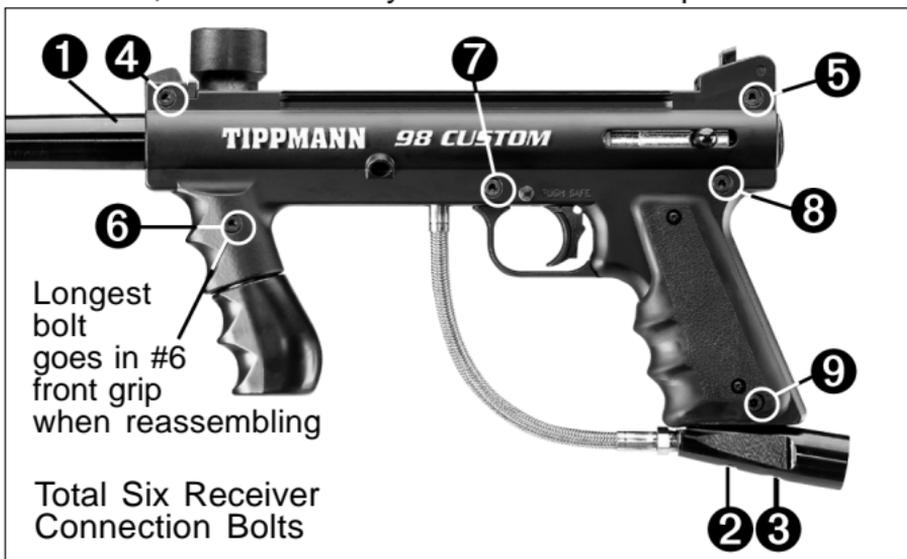
recommend using Tippmann™ marker oil or other premium gun oil on the barrel o-ring and air supply valve o-ring.

- To clean your barrel first, depress front sight and tip out feed elbow. Insert metal tab of cable squeegee into breach, then pull squeegee through barrel to remove debris.

Marker Disassembly

First follow unloading and air supply removal instructions on page 10. Do not pressurize a partially assembled paintball marker. Put the marker in the uncocked position. If your marker is cocked, hold the bolt handle while pulling the trigger which will uncock the marker.

NOTE: The barrel (1) and adapter bolts (2-3) must be removed first. Next, turn the velocity screw in until it stops.



To remove the left-side receiver, unscrew bolts (4-9) receiver connection bolts. Then carefully lift the left-side receiver to access the internals.

NOTE: The Safety will stay on the left-side receiver and should be reassembled the same way.

Once inside, pull the end cap out to remove the guide pin and drive spring. These parts must be removed before the bolt handle will release. Disconnect the linkage arm from the rear and front bolts. Slide the front bolt off the power tube and check the o-ring. Clean and oil the o-ring or if damaged, replace with a new one. Do the same with the rear bolt o-ring.

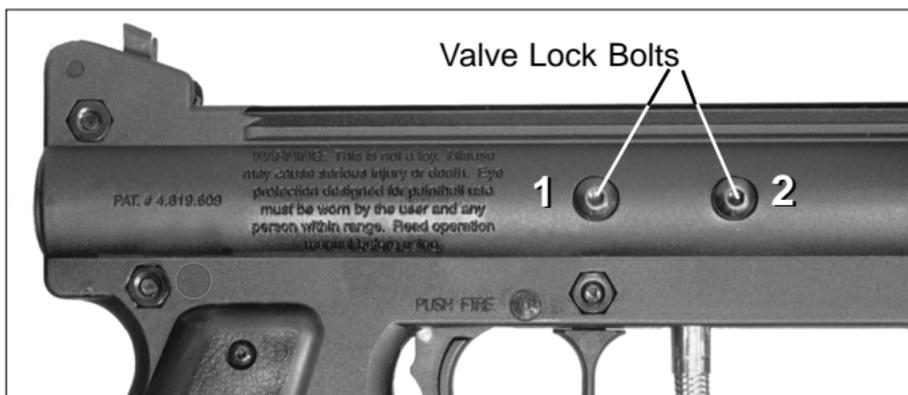
Field Stripping / Receiver Disassembly (continued from page 11)

Power tube and valve removal.

NOTE: Do not remove the gas line fitting unless it is leaking or you need to replace the valve. If you should do so you will need some teflon tape or paste to reinstall it.

First, you need to complete Marker / Receiver Disassembly Instructions on page 11.

To release the power tube and valve, unscrew the two valve lock bolts on the outer right-side receiver.



Reinstalling: Apply red loctite to bolts threads when reinstalling. Do not over tighten valve lock bolts when reinstalling.

Valve removal from power tube: If it is necessary to remove the valve, use a wrench to slowly unscrew the gas line fitting. Once the fitting is out, the valve will slide out the back of the power tube.

NOTE: Check the external valve o-ring at this time. If the o-ring is damaged your marker will not function correctly.

Reinstalling valve: Insert valve into power tube, align holes and add teflon tape or paste to gas line fitting threads, slowly screw into valve and snug with wrench.

Repairing Air Supply Cylinder Leaks

The most common leak occurs from a bad air supply valve o-ring. To replace a valve o-ring you must first remove the bad o-ring and then install a new one. This o-ring is located on the tip of your air supply valve. The best valve o-rings are made of urethane. The urethane o-rings are not affected by high air supply pressures. These may be purchased from Tippmann™ or your local paintball dealer.

NOTE: If new valve o-ring does not resolve air supply leak, do not attempt to repair air supply cylinder. Contact Tippmann Sports, LLC or your local paintball dealer.

Storage

Before storage unload and remove air supply (see page 10). Then install Barrel Sleeve (see page 2) and put your marker in Safe Mode (see page 4). You should store your marker in a dry area. Before storing your marker make sure that the marker is cleaned and oiled (see cleaning and maintenance on page 10) so that it does not rust. Store your marker with the bolt in the forward position, uncocked. When removing your marker out of storage make sure Barrel Sleeve is installed (see page 2) and safety is in Safe Mode (see page 4). You should re-oil the rear bolt and the front bolt o-ring before use.

Specifications

Model	Tippmann™ 98 CUSTOM™
Caliber68
Action	Semi-Automatic (open bolt blow-back)
Power/Air Supply	compressed air, nitrogen or CO2
Hopper Capacity	200 Paintballs
Cycle Rate	8 shots per second
Standard Barrel Length	8.5"
Overall Length (with standard barrel & no tank)	19.63"
Weight (without tank)	2.9 lbs.
Effective Range	150+ ft.
Velocity	Always measure your marker's velocity before playing paintball and never shoot at velocities in excess of 300 feet per second (see instructions on page 7).

WARRANTY AND REPAIR POLICY

Tippmann Sports, LLC warrants that this product is found free from defects in materials and workmanship for a period of 1 year from the original date of purchase by the initial owner/purchaser. This warranty does not apply to defects discovered after purchase which were caused by the unauthorized modifications and alterations of our product. Tippmann Sports, LLC will repair or replace, without charge, any of its markers that have failed through defect in material or workmanship. Tippmann is dedicated to providing you with the ultimate paintball marker and the quality support necessary for satisfactory play.

WARRANTY OR REPAIR PROCEDURE

If you should encounter any problems with your marker and you have aftermarket parts on your marker, please test it with the original stock parts before sending it in.

Always unload and remove air supply before shipping a marker. Do not ship your air supply tank if it is not completely empty.

For warranty and non-warranty repair:

1. Ship or deliver your product(s) to:
Tippmann Sports, LLC
2955 Adams Center Road
Fort Wayne, IN 46803
2. Postage or delivery charges must be prepaid.
3. Include a brief statement regarding the requested repair, your name, return address and telephone number where you can be reached during normal business hours, if possible.

Our policy is to complete the necessary repair work within 24 hours and return it to you via regular ground UPS. If you wish to have it returned using a faster service, you can request for NEXT DAY AIR UPS OR SECOND DAY AIR UPS. You will be charged for this service and must include your credit card number with the expiration date. Your card will be charged the difference in additional cost over regular ground shipping service.

WARRANTY REGISTRATION

Register your marker either:

1. On line at www.tippmann.com.
2. Complete attached registration card and mail to the above address.



TIPPMANN™

2955 ADAMS CENTER ROAD
FT. WAYNE, IN 46803 USA

98 CUSTOM™

Warranty Registration online at www.tippmann.com
or complete this warranty card and mail to Tippmann.

Serial Number (above left front grip).

#

Purchased from

Date

City

State

Zip

Country

Your Name (print)

Age

Male

Female

Address

City

State

Zip

Country

Phone #

Email

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2955 ADAMS CENTER ROAD
FT. WAYNE, IN 46803 USA

98 CUSTOM™



Registro de Garantía via On line a www.tippmann.com
o complete esta tarjeta de garantía y envandola por correo
regular a Tippmann.

L'inscription de Garantie sur l'internet à www.tippmann.com
ou complétez la carte de d'inscription et l'envoyez à Tippmann.

Número de Serie (Número sobre apretón izquierdo delantero).
Numéro Sérial (Nombre au-dessus de poignée avant gauche).

#

Nombre comprador
Acheté du

Decha
Date

Ciudad
Ville

Estado
Etat

Código Postal
Code Postale

Pais
Pays

Nombre (letra de molde)
Votre nom

Edad
Age

Hombre
Mâle

Mujer
Femelle

Dirección
Adresse

Ciudad
Ville

Estado
Etat

Código Postal
Code Postale

Pais
Pays

Teléfono
No. de téléphone

Email

INSIDE BACK COVER

TIPPMANN™

98 CUSTOM™

Owner's Manual

**Manual del
Usuario**

**Le Manuel du
Propriétaire**

**98 CUSTOM™
BLACK**



**98 CUSTOM™
SILVER**



**98 CUSTOM™
CAMOFLAGE**

