

CRONUS

Paintball Marker Owner's Manual



TIPPMANN®

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TP04125
Ver. 02/14

**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 you be 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.

! WARNING**Safety is Your Responsibility**

Read and 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 the Trigger Safety in Safe mode unless firing as detailed in instructions on page 6.

Always keep the Barrel Blocking Device installed when not in a shooting situation, see instructions on page 4.



! 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 you be 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.

! WARNING

Always keep the Barrel Blocking Device installed except when your marker is in use. Always make sure that the Trigger Safety is in the Safe mode (see instructions on page 6) and the Barrel Blocking Device is properly installed on your marker according to the instructions to prevent damage to property, serious injury, or death.

Barrel Blocking Device Installation Instructions

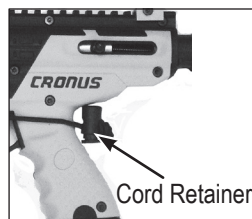
1. Fully collapse the adjustable support. See page 8 for instructions.

2. Place the Barrel Blocking Device onto the Barrel, loop the cord over the top of the receiver, behind the collapsible support, and position at the back of the grip as shown.



3. Adjust the cord length retainer up to the back of the grip by pulling the cord through it until the retainer is snug against the back of the grip. Keeping the cord as tight as possible, leave just enough cord elasticity to pull the cord/retainer up over the top of the marker to remove the Barrel Blocking Device for firing.

4. After the cord length is properly adjusted, lock the cord length by tying a knot in the cord against the back of the retainer as shown.



5. Before and after playing, inspect the Barrel Blocking Device. Replace the Barrel Blocking Device if the device or cord is damaged, or there is a loss of cord elasticity.

6. Clean the Barrel Blocking Device with plain, warm water and store out of sunlight in a dry area when not in use.

CRONUS by **TIPPMANN®**

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CONGRATULATIONS on your purchase of a Cronus paintball marker. We believe our Cronus marker to be one of the most accurate and durable paintball markers available, and are proudly manufactured by Tippmann. Your Cronus marker will provide many years of dependable service if cared for properly.

Please take time to read this manual thoroughly and become familiar with your Cronus marker's 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 Customer Service at 1-800-533-4831 for fast, friendly service.

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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 loss of life resulting from the use of this weapon under any circumstances, including 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 into 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

Except when your launcher is in use, always make sure that the Trigger Safety is in Safe mode, and that the Barrel Blocking Device is properly installed (see page 4).

To turn ON the Trigger Safety (Safe mode), push in the safety (see arrow) as shown.

To turn OFF the Trigger Safety (Fire mode), push in the safety from the opposite side of the receiver.



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 assure the safety of not only yourself but everyone around you. Outlined here are some general precautions to be aware of. The user should at all times use caution and common sense when using this marker and 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 you are 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 in Safe mode until ready to shoot (see Warning box above).
- Keep the Barrel Blocking Device installed on marker when not shooting (page 4).
- 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 impact can cause damage and the paint can stain the finish of automobiles, houses, etc.
- 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 goggles and full face mask meeting ASTM Specification F1776 must 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.
- Store the marker unloaded and degassed in a secure place.
NOTE: Before storing or disassembling, be sure to remove paintballs and air/CO₂ supply (see *Unloading Your Marker* and *Air/CO₂ Cylinder Removal* instructions on pages 10 and 12) and install the Barrel Blocking Device (see page 4).
- Do not field strip or otherwise disassemble this marker while it is pressurized with air/CO₂ 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/CO₂ cylinder or if the marker or air/CO₂ supply is leaking. Compressed air, CO₂, and nitrogen gasses are very cold and can cause frostbite under certain conditions.
- Only use .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 adapter. Contact the air supply cylinder or adapter manufacturer with any questions.
- Read the *Air/CO₂ Cylinder Warnings* and *Safety Tips* on pages 11–12 before beginning the cylinder installation or removal.
- 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 10).
- Do not brandish or display this product in public as it may cause confusion and may be a crime. Police or others may mistake this product for a real firearm. Altering the coloration or markings required by state or federal law to make the product look more like a firearm is dangerous and may be a crime.

- Eye protection designed for paintball use must be worn by the user and any person within range.
- Do not disassemble this marker while it is pressurized.
- Do not pressurize a partially assembled marker.
- Read each step completely before performing the step.

NOTE: Carefully hand start all threaded parts when assembling, and do not overtighten, as this may potentially strip the threaded parts. Refer to the *Parts Diagram* on pages 18 and 19 for these instructions (item numbers are circled and in parentheses).



WARNING

Install the air supply and load the hopper with paintballs only after you:

- **have a Barrel Blocking Device installed (see page 4)**
- **have the Trigger Safety in Safe mode (see page 6).**

Eye protection designed for paintball use must be worn by the user and any person within range.



**ALL PAINTBALL TANKS SHIP EMPTY.
TANKS MUST BE FILLED PRIOR TO USE**



Air/CO2 Cylinder Installation

Read the *Air/CO2 Cylinder Warnings*, *Safety Tips*, and *Removal* on pages 11-12 before beginning the cylinder installation. Do not pressurize a partially assembled paintball marker.

- a. Put the Trigger Safety in Safe mode (page 6) and install the Barrel Blocking Device (page 4).
- b. Cock the marker by pulling the Rear Bolt Handle all the way back. Always keep marker in the cocked position when attaching the air supply and whenever the air supply is attached to the marker. This will help prevent an accidental discharge.
- c. Lubricate the air/CO2 cylinder valve O-Ring with Tippmann Certified Marker Oil.
- d. Insert the air/CO2 cylinder valve into the Air Supply Adapter (ASA) at the back end of the marker grip.
- e. Twist the air/CO2 cylinder clockwise into the ASA until it stops. Use caution as the marker is now capable of firing after you put the Trigger Safety in Fire mode. If you do not hear the full air/CO2 cylinder engage, the pin valve could be too short or the pin valve seal is damaged. Follow the *Air/CO2 Cylinder Removal* instructions on page 12 and take your air/CO2 cylinder to a "C5" Certified Airmsmith for inspection or contact the cylinder manufacturer.



Loading the Hopper

The Barrel Blocking Device must be installed (see page 4) and the Trigger Safety in Safe mode (see page 6).

- Make sure that the Hopper is clean and free of sharp edges or debris. This keeps the paintballs from breaking prematurely, and allows paintballs to feed into the marker's chamber smoothly.
- Install the hopper neck into the Feed Elbow of your marker and tighten the Hopper with a 3/16" Allen wrench included with your marker. NOTE: Do not overtighten or the Feed Elbow may break.
- With the Barrel Blocking Device installed (page 4), and the Trigger Safety in Safe mode (page 6), you are now ready to load your hopper with .68 caliber paintballs. Do not force an excessive number of paintballs into the hopper.

Firing the Marker

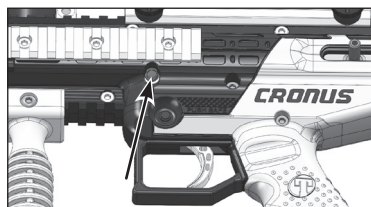
- Eye protection designed for paintball use must be worn by the user and any person within range.
- Point the marker in a safe direction.
- Remove the Barrel Blocking Device from the marker.
- Verify that the marker is cocked.
- Move the Trigger Safety from Safe mode to Fire Mode.
- Pull the Trigger to fire the marker.

Velocity Adjustment

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

To adjust the marker's velocity, use the included 3/16" Allen wrench in the center of the Velocity Screw (arrow).

Reduce the velocity by turning the Velocity Screw clockwise. To increase the velocity, turn the Velocity Screw counterclockwise. Never remove the Velocity Screw.



Unloading Your Marker

- Eye protection designed for paintball use must be worn by the user and any person within range.
- Empty all paintballs from the hopper or remove the entire hopper.
- Go to a designated firing area, remove the Barrel Blocking Device, and move the Trigger Safety to Fire mode.
- Point your marker in a safe direction and fire several times to be sure there are no remaining paintballs lodged in the chamber, feed neck, or barrel.
- Push the Trigger Safety to Safe mode (see page 6).
- Reinstall the Barrel Blocking Device (see page 4).
- Read the Air/CO2 Cylinder Warnings and Safety Tips on pages 11-12 before removing the air cylinder from your marker (see removal instructions on page 12).

Air/CO2 Cylinder Warnings

WARNING

The brass or nickel plated cylinder valve (1, below) is intended to be permanently attached to the air or CO2 cylinder (2).

An air or CO2 cylinder can fly off with enough force to cause serious injury or death if the cylinder (2) unscrews from a cylinder valve (1).

Refer to the top graphic. There have been reported incidents caused by players unknowingly unscrewing the cylinder (2) from the cylinder valve (1). This occurs when the player thinks the entire valve-cylinder assembly is being unscrewed from the air/CO2 adapter of the paintball marker, when in fact he or she is unscrewing the cylinder from the cylinder valve.

To avoid this danger, it is recommended (if your cylinder is not already marked) that you use paint or nail polish to place a mark (3) on the cylinder valve, and place another mark (4) on the cylinder, in line with the #3 mark as shown in the top graphic.

Whenever you turn the cylinder during removal, watch the marks on the cylinder and the cylinder valve to be sure that they rotate together. If at any time these marks start to separate as shown in the bottom graphic, the cylinder is starting to unscrew from the cylinder valve and you must **STOP** and take the entire unit to a "C5" certified airsmith for safe removal and/or repair.

NOTE: The cylinder valve should unscrew from the paintball marker in about 3 or 4 full turns. If you finish the 4th full turn and the cylinder valve is not unscrewed from the paintball marker, **STOP!** Take the entire unit to a "C5" certified airsmith for safe removal and/or repair.

Locate a "C5" Certified Airsmith at www.paintball-pti.com.

Whether you have a new or used refillable air or CO2 cylinder, you are at risk if any of the following has occurred:

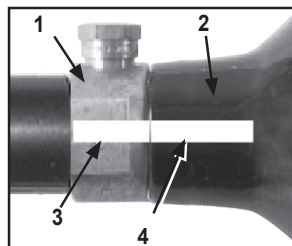
- The valve unit was replaced or altered after purchase.
- An anti-siphon device was installed.
- The valve unit was removed from the cylinder for any reason.
- Any modification was done to the refillable air or CO2 cylinder.

If any of these conditions has occurred, take your air or CO2 cylinder to a "C5" Certified Airsmith for inspection or contact the cylinder manufacturer.

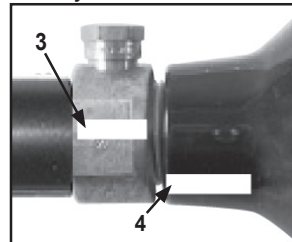
Air/CO2 Cylinder Safety Tips

SAFETY TIPS to ensure that your air or CO2 cylinder is safe for play:

- Improper use, filling, storage, or disposal of air or CO2 cylinder may result in property damage, serious personal injury or death.
- Make sure that any maintenance or modification to any air or CO2 cylinder is done by a qualified professional, such as a "C5" certified airsmith.
- Installing an anti-siphon device is dangerous. However, if one is already installed on your air or CO2 cylinder or is desired, it is critical that your cylinder be checked by,



Properly Marked Valve And Cylinder



Misaligned Valve and Cylinder

or the device installed by, a qualified professional.

- All air or CO2 cylinders must be filled only by properly trained personnel.
- Cylinder valves must be installed only by properly trained personnel.
- Do not overfill a cylinder! Never exceed the air or CO2 cylinder's capacity.
- Do not expose pressurized air or CO2 cylinder to temperatures exceeding 130 degrees Fahrenheit (55 degrees Celsius).
- Do not use caustic cleaners or strippers on the air or CO2 cylinder or cylinder valve and do not expose to corrosive materials.
- Do not modify the air or CO2 cylinder in any way. Never try to disassemble the cylinder valve from the air or CO2 cylinder.
- Any air or CO2 cylinder that has been exposed to fire or heated to a temperature of 250 degrees Fahrenheit (121 degrees Celsius) or more must be destroyed by properly trained personnel.
- Use appropriate gas for your cylinder. Only use CO2 in a CO2 cylinder and only use compressed air in a compressed air cylinder.
- Keep all cylinders out of the reach of children.
- The air or CO2 cylinder should be inspected and hydrostatically retested at least every 5 years by a DOT licensed agency.
- Keep exposed skin away from escaping gas when installing or removing the air/CO2 cylinder, or if the marker or air/CO2 cylinder is leaking. Compressed air and CO2 gasses are very cold, and can cause frostbite under certain conditions.

NOTE: Locate a "C5" certified airsmith at www.paintball-pti.com

Air/CO2 Cylinder Removal

1. Read *Air/CO2 Cylinder Warnings* (page 11) and *Air/CO2 Cylinder Safety Tips* (above) before beginning the cylinder removal process.
2. Eye protection designed for paintball use must be worn by the user and any person within range.
3. Follow the *Unloading Your Marker* instructions on page 10.
4. Watch the marks on the cylinder and cylinder valve (as shown in Figure 8) as you turn the cylinder approximately $\frac{3}{4}$ turn counterclockwise. This allows the air/CO2 valve pin to close so that no air/CO2 will enter the marker.
5. Remove the Barrel Blocking Device. Set the Trigger Safety to Fire mode. Point the marker in a safe direction, and discharge the remaining gas in the marker by repeatedly pulling the trigger until the marker stops firing (this may take 4-5 shots). If your marker continues to fire, the cylinder's pin valve has not closed yet. The cylinder pin valve could be longer than usual. Because of the variances in cylinder pin valve parts, each cylinder varies slightly on exactly how far it has to be turned. Turn the cylinder counterclockwise a little further and repeat this step until the marker does not fire. Only then remove the air/CO2 cylinder.

NOTE: If during this step, you turned the air/CO2 cylinder and it began to leak before you pulled the trigger, the cylinder O-Ring should be checked for damage before any re-assembly (see *Repairing Air/CO2 Cylinder Leaks* below).

6. After the air/CO2 cylinder is removed, again point and fire the marker in a safe direction to verify the marker is completely discharged of gas.
7. Move the Trigger Safety to Safe mode (see page 6) and install the Barrel Blocking Device (see page 4).

Repairing Air/CO2 Cylinder Leaks

The most common leak occurs from a bad air/CO2 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/CO2 valve. The best valve O-Rings are made of urethane. Urethane O-Rings are not affected by high air/CO2 pressures. These may be purchased from Tippmann or your local paintball dealer. There is an extra O-Ring in the Accessory Pack that came with your marker.

NOTE: If a new air/CO2 valve O-Ring does not resolve an air/CO2 leak, do not attempt to repair the air/CO2 cylinder. Contact Tippmann Sports, LLC, your local paintball dealer, or a "C5" Certified Airsmith.

Cleaning and Maintenance

- To reduce the chance of an accidental discharge, follow the *Unloading Your Marker* (on page 10) and *Air/CO2 Cylinder Removal* (on page 12).
- Eye protection must be worn.
- Do not disassemble a marker while it is pressurized with air.
- Do not pressurize a partially assembled marker.
- Follow warnings listed on the air/CO2 cylinder for handling and storage.
- Familiarize yourself with instructions listed on air/CO2 cylinder.
- Contact the air/CO2 cylinder 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 marker's O-Rings.

To clean the exterior of your Cronus marker, use a damp towel to wipe off paint, grease, and any debris.

To clean inside the barrel, pull back on the Rear Bolt Handle. Push and rotate the tag end of the squeegee into the Feed Elbow until you see it come out the end of the barrel. Pull the squeegee through the barrel to clean it. You may also remove the barrel and use the squeegee to remove debris.

Storage

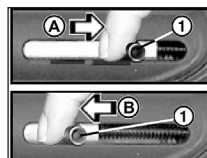
Ensure the Trigger Safety is in Safe mode (see page 6), and the Barrel Blocking Device is installed (see page 4). Always unload your marker (page 10) and remove the air supply (page 12) when not using your marker. Store your marker in a dry area.

When removing your marker out of storage, make sure to keep the Trigger Safety in Safe mode (see page 6) and keep the Barrel Blocking Device installed (see page 4).

Cronus Disassembly Instructions

Set up a workbench with plenty of workspace to make sure no small parts become lost. Always wear eye protection (like safety glasses) when performing any marker disassembly or re-assembly. **Refer to the Parts Diagram for these instructions** (item numbers are in parentheses). When disassembling the marker, pay close attention to how the parts fit together to make later re-assembly easier and accurate.

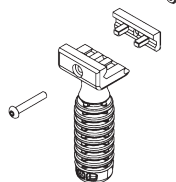
1. Follow *Unloading Your Marker* on page 10 and *Air/CO2 Cylinder Removal* instructions on page 12.
2. Put the marker into the uncocked position. Hold the Rear Bolt Handle (#1) with your finger (arrow A). While holding the handle,



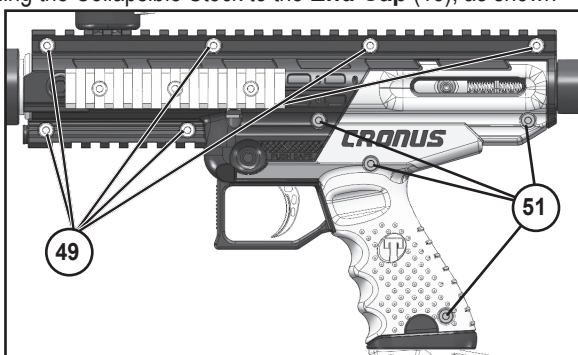
Rear Bolt Handle

pull the trigger and allow the Rear Bolt Handle to move slowly forward (arrow B) which uncocks the marker.

3. If applicable, remove the **Barrel Tube** (72) by turning it 1/8 turn counter clockwise and removing from the **Barrel Adapter** (35).
4. To remove the **Barrel** (37), turn the Barrel counterclockwise from the Barrel Adapter. Prior to reassembly, make sure the **O-Ring** (36) inside the Barrel Adapter is lubricated with Tippmann Certified Marker Oil. Turn the Barrel clockwise to thread it into the Barrel Adapter.
5. To remove the **Foregrip** (68), loosen the hex screw (67) from the hex nut (70). The Foregrip parts separate to remove it.
6. Remove the Carry Handle Assembly by turning the two **Clamp Nuts** (82) counter-clockwise until the clamp is totally loose (see page 9). When loose, remove the screws and remove the Carry Handle.
7. Turn the **Velocity Screw** (32) all the way in until it stops.
8. Remove the screw (49) holding the Collapsible Stock to the **End Cap** (15), as shown on page 8. Pull down on the stock to remove it from the End Cap.

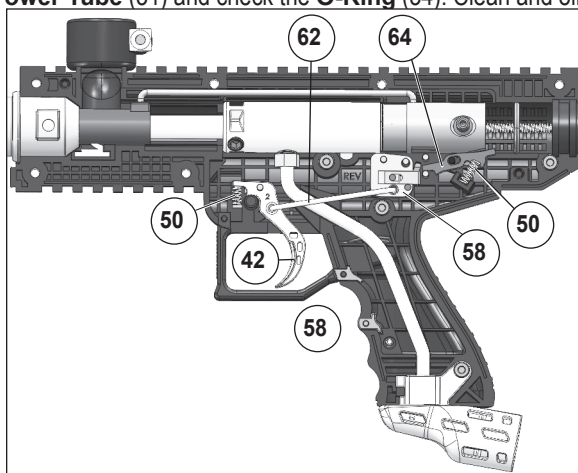


9. To remove the left-side **Receiver** (2), unscrew six short receiver screws (49) and four long receiver screws (51). On the right side of the grip, remove the self tapping screw (48). Then carefully lift the left-side receiver to access the internal parts.

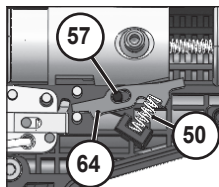


Remove Screws From Left Receiver Half

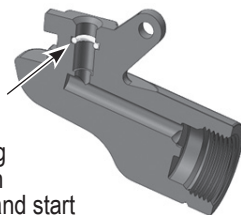
10. With left half removed, lift the **End Cap** (15) out to remove the **Bumper O-Ring** (16), **Guide Pin** (18) and **Drive Spring** (17). These parts must be removed before the **Rear Bolt Handle** (66) can be removed from the Rear Bolt.
11. Disconnect the **Linkage Arm** (11) from the **Rear Bolt** (20) and **Front Bolt** (33).
12. Slide the Front Bolt off the **Power Tube** (31) and check the **O-Ring** (34). Clean and oil the O-Ring or if damaged, replace with a new one. Do the same with the Rear Bolt **O-Ring** (21).
13. To disassemble the **Trigger** (42), first remove the **Trigger Linkage Arm** (62). The Trigger can be removed from the marker, but be sure to capture the **Trigger Spring** (50) when removing the Trigger. The **Trigger Adapter** (58) assembly can be removed from the pins (63) if desired.



14. The **Sear** (64) lifts off of the **Sear Pin** (57), be sure to capture the **Sear Spring** (50) during disassembly of the Sear.



15. Lift the **ASA** assembly (46) from the receiver half and remove it from the **Gas Line** (47). Check the O-Ring (45, arrow) inside the ASA. Replace if worn or damaged. Use an O-Ring pick to remove the O-Ring from the ASA.

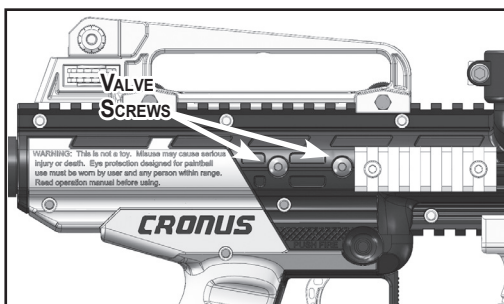


Power Tube and Air Valve

Refer to the Parts Diagram for these instructions.

NOTE: Do not remove the Gas Line **Fitting** (56) unless it is leaking or you need to replace the valve. If you remove the fitting, use teflon tape or paste on the fitting threads before reinstalling it. Carefully hand start all threaded parts. Overtightening may strip threaded parts making them unusable.

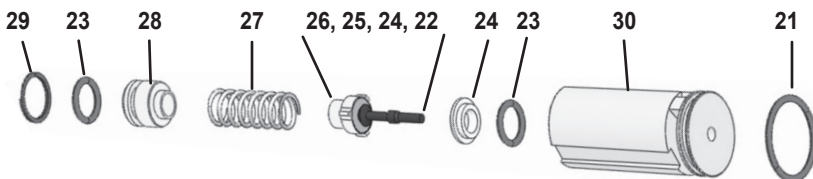
1. To remove the **Power Tube** (31) and **Valve** (30), unscrew two **Valve Screws** (10) from the right side of the receiver shown at right.
2. To remove the Valve from the Power Tube, use a wrench to slowly unscrew the **Gas Line Fitting** (56). Once the fitting is out, the Valve will slide out the back of the power tube.



Valve Screws

NOTE: Check the external Valve O-Ring (21) and if damaged, replace with a new one. If the O-Ring is damaged your marker will not fire correctly. Clean all parts and oil the O-Rings.

If you disassembled the Air Valve Assembly, refer to the diagram below and double check that the following parts are in place:

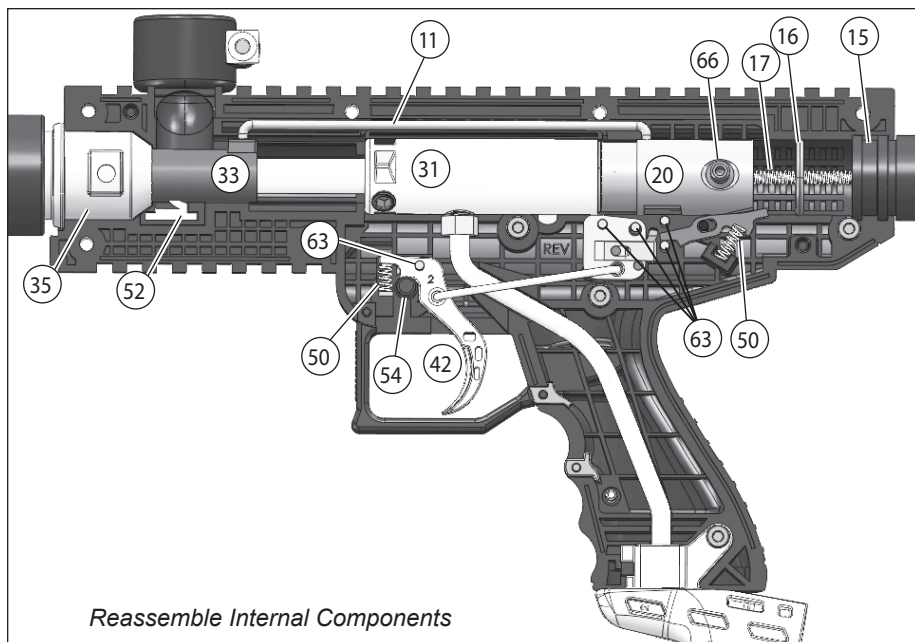


3. Reinstall the Valve into the Power Tube. Insert the cleaned and oiled Valve into the Power Tube and align the holes of the Valve and Power Tube. Apply teflon tape or thread paste on threads of Gas Line fitting and carefully screw it into the Valve. Snug with a wrench (do not over tighten and possibly strip the threads). Wipe off any excess thread paste if used.
4. Reinstall the power tube/valve into receiver by aligning the holes of the Power Tube and the right Receiver Half. Apply red Loctite #271 sealant to threads of two valve screws (10) and attach. Do not over tighten the screws and possibly strip threads. Wipe off any excess sealant.

Reassembling Receiver Halves

1. Refer to the diagram below and the diagram at the bottom of page 14. Double check that the following parts are in place: Barrel Adapter (35, oriented as shown), Trigger (42), and Pins (63), Trigger Spring (50), Safety (54), Sear Pin (57), Sear (64), Sear Spring (50), Front Bolt* (33), Ball Latch (52), Linkage Arm* (11), Rear Bolt* (20), Drive Spring* (17), Guide Pin* (18), Bumper O-ring (16), and End Cap (15).

(* = indicates to be lubricated with Tippmann Certified Marker Oil).



2. Carefully install the left receiver half (make sure halves fit flush).
3. Install four long receiver screws (51). Install six short receiver screws (49). Install the self-tapping grip screw (48) into the right receiver half.
4. Insert the Barrel (37) and carefully screw it into the Barrel Adapter.

Specifications

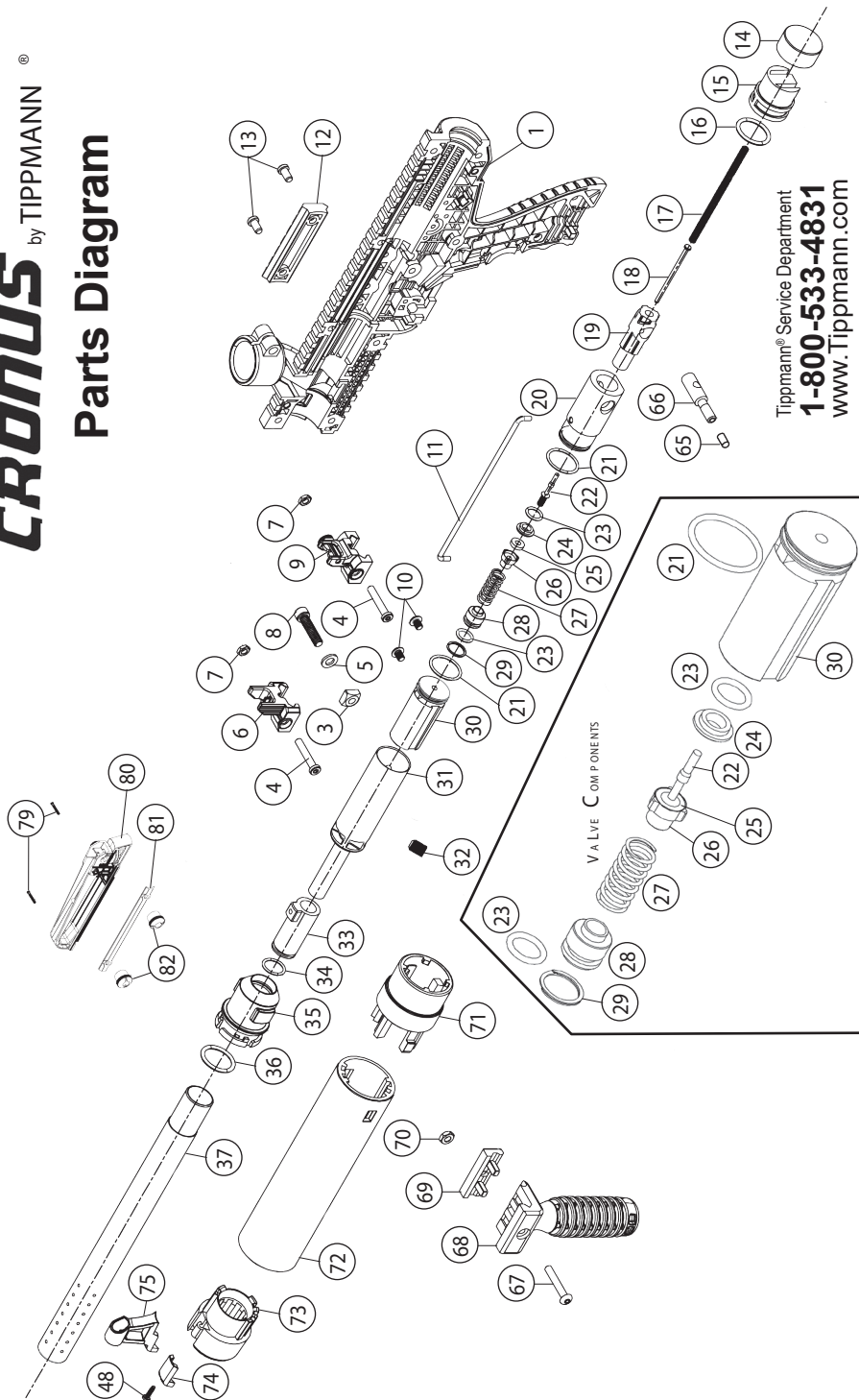
Model.....	TIPPMANN® Cronus
Caliber68
Action.....	Open Bolt Blow Back Valve System
Air Supply	Compressed air, nitrogen, or CO2
Ball Feed	Gravity
Trigger	Semi-Automatic (Mechanical)
Standard Barrel Length	9.5" / 24 cm
Effective Range	150+ feet / 45.72+ meters
Weight (without air supply cylinder)	3.7 lbs / 1.7 Kg
Velocity	Adjustable

Always measure your marker's velocity before playing paintball and never shoot at velocities in excess of 300 feet (91.44 meters) per second. See *Velocity Adjustment* instructions on page 10.

CRONUS

by TIPPMMANN®

Parts Diagram

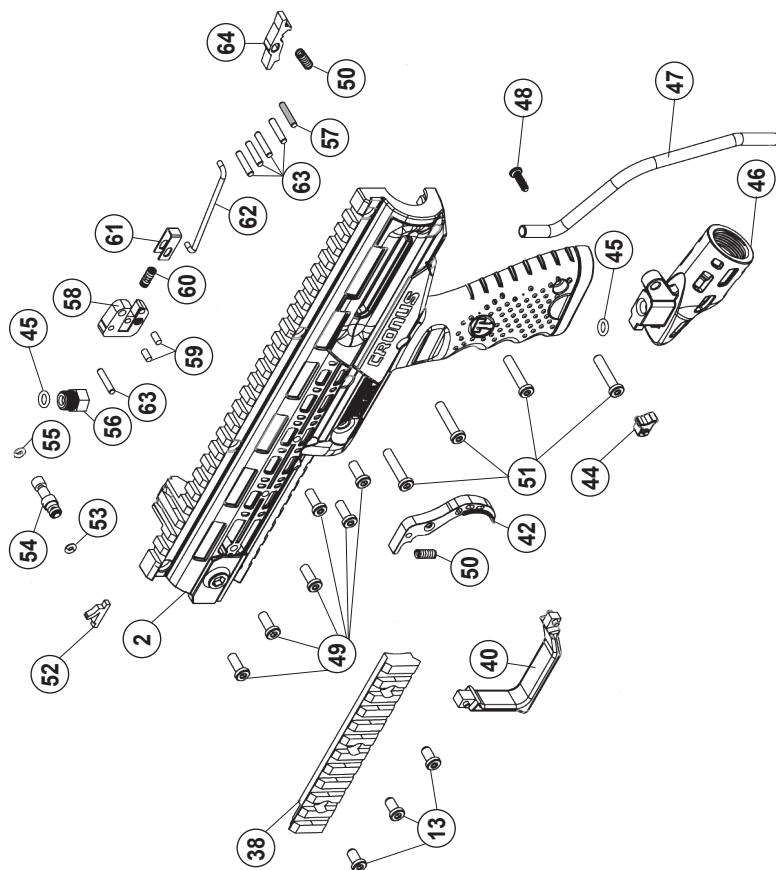


Tippmann® Service Department

1-800-533-4831www.Tippmann.com

! WARNING

Do not disassemble this marker while it is pressurized. Do not pressurize a partially assembled marker.



Cronus Parts List

Item	Part Number	QTY	Description
Shaded items are assemblies. You may order the assembly part number or individual parts that make up the assembly.			
1	TA41002	1	Receiver - Right Side
2	TA41001	1	Receiver - Left Side
3	PL-42D	1	Nut, 1/4x20, Square, Black
4	TA07065	2	Screw, 10-32 x 1" LSHCS
5	98-45	1	Washer, M6, Flat, Black
6	TA41008	1	Front Sight
7	TA02060	2	Hex Nut, 10-32 x 5/16"
8	PL-42C	1	Screw, 1/4-20 x 1" SHCS
9	TA41007	1	Rear Sight
10	98-26	2	Screw, 10-32 x 1/4" BHCS
11	TA01016	1	Linkage Arm
12	TA41004	1	Picatinny Rail, Short, Right
13	TA41018	5	1/8 Socket Self Tapping Screw, 11mm long
14	TA06017	1	End Cap Cover
15	TA06006	1	End Cap
16	98-40	1	O-Ring, Bumper
17	CA-14	1	Drive Spring
18	CA-15	1	Guide Pin
19	TA05005	1	Rear Bolt Plug
20	TA02011	1	Rear Bolt
	98-V		Air Valve Complete
21	98-12A	2	O-Ring, C.U., 90A, 2-019, Valve and Rear Bolt
22	CA-30N	1	Valve Stem
23	SL2-25	2	O-Ring, C.U., 70A, 2-012
24	CA-27	1	Front Valve Seat
25	PA-28	1	Valve Stem Cup Seal
26	CA-29	1	Valve Stem Cup
27	98-32	1	Spring
28	98-56	1	Valve Plug
29	PA-31A	1	Snap Ring
30	Not Available	1	Air Valve Body
31	98-21N	1	Power Tube

Cronus Parts List

Item	Part Number	QTY	Description
32	T4-053	1	Velocity Screw, 5/16-24 x 7/16"
33	02-17	1	Front Bolt
34	SL2-4	1	O-Ring, Front Bolt
35	TA41005	1	Barrel Adapter
36	98-40	1	O-Ring, Barrel
37	TA41006	1	Barrel
38	TA41003	1	Picatinny Rail, Long, Right
39			Not Used
40	TA41010	1	Trigger Guard
41			Not Used
42	TA41009	1	Trigger
43			Not Used
44	TA41017	1	Double Guard Blanking Plug
45	TA40017	2	O-Ring, Gas Line
46	TA41013	1	Air Supply Adapter (ASA)
47	TA41015	1	Gas Line
48	TA09920	2	Screw, #6 x .5 Plastite
49	TA09919	6	Screw, 10-32 x 1/2"LHSHCS
50	TA40013	2	Spring, Sear and Trigger
51	TA41024	4	Screw, 10-32 x 22.8mm LHSHCS
52	FA-18	1	Ball Latch
53	98-55	1	O-Ring, Safety, Red
54	98-37N	1	Safety Assembly Complete
55	FA-07	1	O-Ring, Safety, Black
56	TA40018	1	Gas Line Joint
57	CA-36	1	Sear Pin, Black
58	TA40011	1	Trigger Adapter
59	98-19	2	Pin, Return Slide
60	98-20	1	Spring (yellow)
61	98-18	1	Trigger Return Slide
62	TA41014	1	Trigger Linkage Arm
63	98-33	5	Pin, Receiver
64	02-35	1	Sear

Cronus Parts List

Item	Part Number	QTY	Description
65			Rubber cover for cocking handle (shipping only)
66	98-13	1	Rear Bolt Handle
	TA06214		Foregrip Assembly
67	TA06048	1	Screw, 10-32 x 1.1875"
68	TA41029	1	Foregrip
69	TA41019	1	Foregrip Clamp Plate
70	T0-032	1	Nut
	TA41200		Barrel Tube Assembly
71	TA41021	1	Barrel Tube Rear Adapter
72	TA41020	1	Barrel Tube
73	TA41022	1	Barrel Tube Front Adapter
74	TA41023	1	Barrel Tube Blank Insert
75	TA41030	1	Barrel Tube Front Sight
76			not used
77			not used
78			not used
	TA06212		Carry Handle Assembly
79	TA06076	2	Screw, 10-32 x 1.5"
80	TA41026	1	Carry Handle, Tan
81	TA41025	1	Carry Handle Clamp, Tan
82	TA06074	2	Locking Cap

Warranty and Repair Information

TIPPMANN SPORTS, LLC ("Tippmann") is dedicated to quality paintball products and outstanding service. In the unlikely event of a problem with this Tippmann paintball marker ("Marker") and/or Tippmann accessories ("Accessories"), Tippmann's customer service personnel are available to assist you. For customer service and/or other information, please contact:

Tippmann Sports, LLC
2955 Adams Center Road
Fort Wayne, IN 46803
www.Tippmann.com
1-800-533-4831

Warranty Registration

To activate the Marker's Limited Warranty, you must register the Marker within thirty (30) days of the date of original retail sale by:

1. Registering online at www.tippmann.com or
2. Completing the attached warranty registration card and returning it to Tippmann at the address above.

The Limited Warranty for Tippmann Accessories does not require activation or registration; by registering the Marker, you activate the warranty for the Accessories.

Limited Warranty

Tippmann warrants to the original purchaser that it will make any repairs or replacements necessary to correct defects in material or workmanship, at no charge to you, for the Marker for a period of one (1) year from the date of original retail sale. Further, Tippmann warrants to the original purchaser that it will make any repairs or replacements necessary to correct defects in material or workmanship, at no charge to you, for Tippmann Accessories for a period of ninety (90) days from the date of original retail sale. All Tippmann asks is that you properly maintain and care for the Marker and Accessories (collectively, the "Product") and that you have warranty repairs performed by Tippmann or a Tippmann Certified Tech Center.

This Limited Warranty is non-transferable, and it does not cover damage or defects to the Product caused by (a) improper maintenance; (b) alteration or modification; (c) unauthorized repair; (d) accident; (e) abuse or misuse; (f) neglect or negligence; and/or (g) normal wear and tear.

Tippmann does not authorize any person or representative to assume or grant any other warranty obligation with the sale of this Product.

THIS IS THE ONLY EXPRESS WARRANTY GIVEN WITH THE PURCHASE OF THIS PRODUCT; ANY AND ALL OTHER EXPRESS WARRANTIES ARE DISCLAIMED. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE LIMITED WARRANTY PERIOD SET FORTH HEREIN, AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, SHALL APPLY AFTER EXPIRATION OF SUCH PERIOD.

Some states and nations do not allow limitations on the duration of implied warranties, so the above limitation may not apply to you.

The sole and exclusive liability of Tippmann and/or its authorized dealers under this Limited Warranty shall be for the repair or replacement of any part or assembly determined to be defective in material or workmanship. TIPPMANN SHALL NOT BE LIABLE FOR, AND YOU EXPRESSLY DISCLAIM, ANY DIRECT, INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES (COLLECTIVELY, "DAMAGES") ARISING OUT OF THE SALE OR USE OF, OR YOUR INABILITY TO USE, THE PRODUCT. NO PAYMENT OR OTHER COMPENSATION

WILL BE MADE FOR DAMAGES, INCLUDING INJURY TO PERSON OR PROPERTY OR LOSS OF REVENUE WHICH MIGHT BE PAID, INCURRED OR SUSTAINED BY REASON OF THE FAILURE OF ANY PART OR ASSEMBLY OF THE PRODUCT.

Some states and nations do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that may vary from state to state or nation to nation.

Warranty and Non-Warranty Repairs

When shipping the Product to Tippmann for warranty or non-warranty repair:

1. If you have aftermarket parts on your Marker, please test the Marker with original stock parts before returning the Marker for service or repair.
2. Always unload (page 10) and remove the air/CO2 supply from the marker (page 12). Do not ship the air/CO2 supply cylinder if it is not completely empty.
3. Ship the Product to the Tippmann address identified.
4. You must pre-pay postage and delivery charges.
5. Provide the date of purchase for the Product.
6. Briefly describe the repair requested.
7. Include your name, return address and a telephone number where you can be reached during normal business hours, if possible.

Tippmann makes every effort to complete its repair work within twenty-four (24) hours of receipt. Tippmann will return the Product to you via regular ground UPS. If you wish to have it returned using a faster service, you can request NEXT DAY AIR UPS OR SECOND DAY AIR UPS, but you will be charged for this service and must include your credit card number with the expiration date. Your credit card will be charged the difference in additional cost over regular ground shipping service.



TIPPMANN®

2955 ADAMS CENTER ROAD
FT. WAYNE, IN 46803 USA

CRONUS

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

Serial Number

Purchased from

Date

City

State

Zip code

Country

Your Name (print)

Age

☐ Male

☐ Female

Address

City

State

Zip

Country

Phone #

E-mail