

## Trouble Shooting Guide

Use these tools to help solve common problems you might encounter with Brass Eagle® paintball markers!

View the Parts List And  
Exploded View for Your Marker

<b>#1401 Talon Ghost 1401</b>		
<b>Symptom</b>	<b>Cause</b>	<b>Solution</b>
Gas Leaks from Inside Barrel	1.)Dry Valve Seal 2.)Damaged Valve Seal	1.)Place a Few Drops of a Light grade oil inside Valve Stem Assembly 2.)Replace Valve Seal/Valve Stem Assembly
Gas Fails to Discharge	1.)Marker Wasn't cocked 2.)Lack of Gas Pressure 3.)Gas Source Not Fully Engaged 4.)Operating Temperature Too Cold	1.)Cock Marker 2.)Install New CO2 cylinder 3.)Tighten Piercing Screw Into Grip 4.)Warmer Temperature
Marker Leaks from Inside Grip	Bad Puncture Pin Seal	Replace Seal

<b>#1410 Stingray II Ice 1410</b>		
<b>Symptom</b>	<b>Cause</b>	<b>Solution</b>
CO2 leaks down barrel	Dry valve seal	Place three drops of Automatic Transmission Fluid (ATF) in Constant Air Adapter and cock marker prior to putting CO2 on marker. Fire a few shots to force ATF throughout the internals of the marker.
CO2 leaks at source	Bad O-ring	Replace O-ring on bottle or quick change.

Fails to Recoil after firing	1.)Low CO2 pressure 2.)Bolt drag 3.)Hammer drag	1.)Refill CO2 bottle. May be caused by low temperatures which requires warming both marker and CO2 to room temperature. 2.)Remove bolt, clean & apply two drops of ATF on bolt guide and power tube. 3.)Apply ATF to Hammer spring and inside of Hammer Guide.  and power tube.
Velocity is too high or too low	Needs adjusting	Use 5/32" Allen wrench to adjust velocity through hole on top of & counter-clockwise to increase.
Balls curve in flight	Paint in barrel	Clean both barrel and feeder.

### #1420 Tiger Shark Crystal 1420

Symptom	Cause	Solution
CO2 leaks down barrel	Dry valve seal	Place three drops of Automatic Transmission Fluid (ATF) in Constant Air Adapter and cock marker prior to putting CO2 on marker. Fire a few shots to force ATF throughout the internals of the marker.
CO2 leaks at source	Bad O-ring	Replace O-ring on bottle or quick change.
Balls curve in flight	Paint in barrel	Clean both barrel and feeder.

### #1443 Raptor Silver Eagle 1443

Symptom	Cause	Solution
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Marker Fires but Nothing Comes Out	Ball Feed Plug Turned Off	Turn Ball Feed Plug to Allow Ball to Drop into Receiver
Shoots Two Balls at One Time	Ball Stop Wire out Too Far	Carefully Adjust Wire by Bending Slightly Inward
Paintball Breaks in Marker	1.)Ball Stop Wire in Too Far 2.)Paintball is Defective 3.)Barrel has Broken Paintball	1.)Carefully Adjust Wire by Bending Slightly Outward 2.)Replace Paintballs and Retry 3.)Squeegee and Retry
Gas Leaks from Bottle Connection	Damaged Bottle O-Ring	Replace O-Ring
Gas Leaks From Inside Barrel	Damaged Cup Seal	Replace Cup Seal/Valve Pin Assembly
Marker Fails to Discharge	1.)Marker Wasn't Cocked 2.)Lack of Gas Pressure 3.)Gas Source Not Fully Engaged	1.)Cock Marker Before Firing 2.)Refill Bottle or Change CO2 Cylinder 3.)Screw Gas Source into Constant Air Adapter
Marker Fails to Recock	1.)Damaged Striker O-Ring 2.)Lack of Gas Pressure	1.)Replace Striker O-Ring 2.)Refill Bottle or Change CO2 Cylinder
Bolt Sticks	Shell Fragment Stuck Between Bolt and Receiver	Remove Bolt, Clean and Lubricate

### #1445 Raptor Xtreme 1445

Symptom	Cause	Solution
Marker fires but Nothing Comes Out	Ball Feed Plug Turned Off	Turn Ball Feed Plug to Allow Ball to Drop into Receiver
Shoots Two Balls at One Time	Ball Stop Wire Out Too Far	Carefully Adjust Wire by Bending Slightly Inward
Paintball Breaks in Marker	1.)Ball Stop Wire in Too Far 2.)Paintball is Defective 3.)Barrel has Broken Paintball	1.)Carefully Adjust Wire by Bending Slightly Outward 2.)Replace Paintballs and Retry 3.)Squeegee and Retry

Gas Leaks From Bottle Connection	Damaged Bottle O-Ring	Replace O-Ring
Gas Leaks From Inside Barrel	Damaged Cup Seal	Replace Cup Seal / Valve Pin Assembly
Marker Fails to Discharge	1.)Marker wasn't Cocked 2.)Lack of Gas Pressure 3.)Gas Source Not Fully Engaged	1.)Cock Marker Before Firing 2.)Refill Bottle or Change CO2 Cylinder 3.)Screw Gas Source into Constant Air Adapter
Marker Fails to Recock	1.)Damaged Striker O-Ring 2.)Lack of Gas Pressure	1.)Replace Striker O-Ring 2.)Refill Bottle or Change CO2 Cylinder
Bolt Sticks	Shell Fragment Stuck Between Bolt and Receiver	Remove Bolt, Clean and Lubricate

### #1451 Rainmaker 1451

Symptom	Cause	Solution
Gas leaks from bottle connection	Damaged bottle O-ring	Replace O-ring
Gas Leaks from Inside Barrel or from feed port	Damaged Cup Seal	Replace Cup Seal/ Valve Pin Assembly
Marker Fails to Discharge	1)Low Battery Power 2)Lack of Gas Pressure 3)Low Regulator Output	1)Replace batteries 2)Refill Gas Source 3)Adjust Main

### #2010 Blade 2010

Symptom	Cause	Solution
Marker Fails to Discharge	1.)Marker Wasn't Cocked 2.)Lack of Gas Pressure 3.)Gas Source Not Fully Engaged 4.)Operating Temperature Too Cold 5.)Broken Paintball	1.)Cock Marker 2.)Install New CO2 Cylinder 3.)Tighten Piercing Screw Into Grip 4.)Warmer Temperature 5.)Squeegee Out Paintball Fragments in Barrel

**#2020 Saber 2020**

Symptom	Cause	Solution
Gas Leaks from Inside Cylinder Connection	Damaged Cylinder O-Ring	Replace O-Ring
Gas Leaks from Inside Barrel	Damaged Valve Seal	Replace Valve Seal
Marker Fails to Discharge	1.)Marker Wasn't Cocked 2.)Lack of Gas Pressure 3.)Gas Source Not Fully Engaged	1.)Cock Marker before Firing 2.)Refill Cylinder or Change CO2 Cylinder 3.)Screw Gas Source into Constant Air Adapter
Marker Fails to Recock	1.)Sear Catch Misaligned 2.)Lack of Gas Pressure	1.)Replace Sear Catch 2.)Refill Cylinder or Change CO2 Cylinder
Bolt Sticks	Shell Fragment Stuck Between Bolt and Receiver	Remove Bolt, Clean and Lubricate
Broke Paintballs	1.)Excessive Paint Buildup in Barrel 2.)Defective Paintballs	1.)Squeegee Paint Out of Barrel 2.)Replace Paintballs

**#2030 Samurai 2030**

Symptom	Cause	Solution
Gas Leaks From Cylinder Connection	Damaged Cylinder O-Ring	Replace O-Ring
Gas Leaks from Inside Barrel	Damaged Valve Seal	Replace Valve Body
Marker Fails to Discharge	1.)Marker Wasn't Cocked 2.)Lack of Gas Pressure 3.)Gas Source Not Fully Engaged	1.)Cock Marker Before Firing 2.)Refill Cylinder or Change CO2 12 Gram Cylinder 3.)Screw Gas Source into Constant Air Adapter

Marker Fail to Recock	1.)Damaged Striker O-Ring 2.)Lack of Gas Pressure	1.)Replace Striker O-Ring 2.)Refill Cylinder or Change CO2 Cylinder
Mechanism Sticks	1.)Broken Shell 2.)No Lube	1.)Clean Mechanism 2.)Lubricate Bolt and Striker
Broken Paintballs	1.)Excessive Paint Buildup in Barrel 2.)Defective Paintballs	1.)Squeegee Paint Out of Barrel 2.)Replace Paintballs

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Mail: Brass Eagle Inc. | 1201 S.E. 30th Street | Bentonville, AR 72712 USA

or

P.O. Box 1956 | Rogers, AR. 72757 USA  
Phone: 877-877-GAME(4263) Fax: (501) 464-8701

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