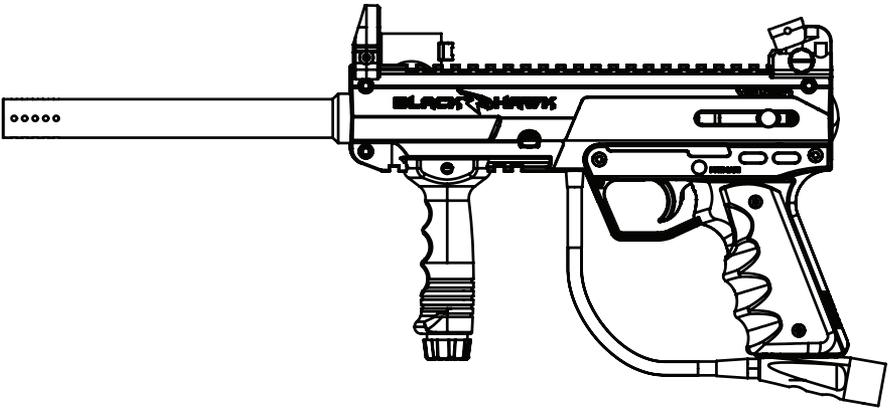


# **BLACKHAWK**

## MANUAL



**valken**

**1 Hawk, Court**

**Swedesboro, NJ, 08085**

**856 812 2600**

**[www.valken.com](http://www.valken.com)**

### **Warning Read Manual Before Use**

This paintball marker is not a toy. Misuse of this product could result in serious injury or death. Proper face, throat, ear, and eye protection designed specifically for paintball must be worn by the user and persons within range. Recommend 18 years of age or older to purchase. Persons under 18 years of age must have adult supervision.



## Using your Blackhawk Paintball Marker

Before beginning setup, locate the trigger safety pin above the trigger. Make sure the trigger safety is pushed in on the left hand side of the marker so that the marker is not accidentally discharged during setup.

## Barrel Installation

1. Make sure the marker is degassed and that the hopper is removed. Make sure that no paintballs are in the feed port or breech. Confirm that the safety is set to "safe" mode.
2. While pointing marker in a safe direction, place the threaded end of the barrel into the front opening of the marker body.
3. Turn the barrel clockwise until it stops. Do not turn the barrel with too much force, just allow the threads to draw the barrel in until it stops. Do not over tighten.
4. Immediately install a barrel blocking device. A blocking device is any device that prevents the accidental discharge of a paintball, such as a barrel plug.

## Feedneck Installation

1. Rotate the feedneck lock lever down into the unlocked position.
2. Slide the feedneck onto the mounting rail from the rear all the way to the front of the mounting rail.
3. Rotate the lock lever up into the locked position until it clicks into place.

## Loader Installation

1. Unclamp the feedneck clamp lever.
2. Insert the loader into the opening of the feedneck until it bottoms out.
3. Align the loader so that the lid is to the rear.
4. Clamp down the loader with the clamp lever.
5. If necessary, adjust the clamp lever adjustment screw using a 3/32" allen wrench so that the loader is snug, but DO NOT overtighten.

## Air Cylinder Installation

1. With a barrel blocking device properly installed, point the marker in a safe direction. Pull the cocking knob located on the left side of the marker back until it clicks and stops. This will cock the marker. Release the cocking knob and the marker is now cocked.
2. Locate the air source adapter at the base of the grip frame.
3. Position the marker so that the air source adapter is pointed upwards and make sure that the barrel of the marker is pointed down.
4. Insert the end of the threaded cylinder valve into the adapter.
5. Do not push the cylinder, but slowly twist the cylinder clockwise. Allow the threads to draw the cylinder into the marker until it stops. Once it stops, the marker is charged.

## Firing your Blackhawk

1. Make sure eye protective devices designed specifically for paintball use are worn by the operator and anyone within range.
2. While pointing the marker in a safe direction, remove the barrel blocking device.
3. Push the trigger safety to the "fire" mode by pushing it in on the right side of the marker. The red o-ring will now be visible on the left side and the Blackhawk is in "fire" mode.
4. Aim your Blackhawk at a safe target and pull the trigger.
5. When finished shooting, return the trigger safety to the "safe" mode and replace the barrel blocking device.

## Velocity Adjustment

- a. Do not adjust the velocity without using a chronograph designed to measure the velocity of a paintball. Adjusting the velocity without using a paintball-specific chronograph may cause unsafe paintball speeds, which may result in serious injury or death.
- b. Make sure eye protective devices designed specifically for paintball use are worn by the operator and anyone within range.
  1. Point the marker in a safe direction. Then, remove the barrel blocking device.
  2. Aim your Blackhawk barrel over the chronograph.
  3. Set the trigger safety to fire by pushing the safety pin in on the right side of the marker.
  4. Pull the trigger once and observe the reading on the chronograph.
  5. Locate the velocity adjuster screw recessed on the left side of the Blackhawk receiver.
  6. To increase or decrease the velocity of the paintballs discharged from a marker, use a 5/32" Allen wrench to turn the screw clockwise to reduce velocity and counterclockwise to increase velocity.
  7. When finished, set the trigger safety pin to safe mode by pushing the safety pin in on the left side of the marker, and replace the barrel blocking device.

\*Note: When adjusting the velocity, make small adjustments, testing after each adjustment. When reducing velocity, it may be necessary to make several adjustments before a reduction in velocity is achieved.

## Storing your Blackhawk

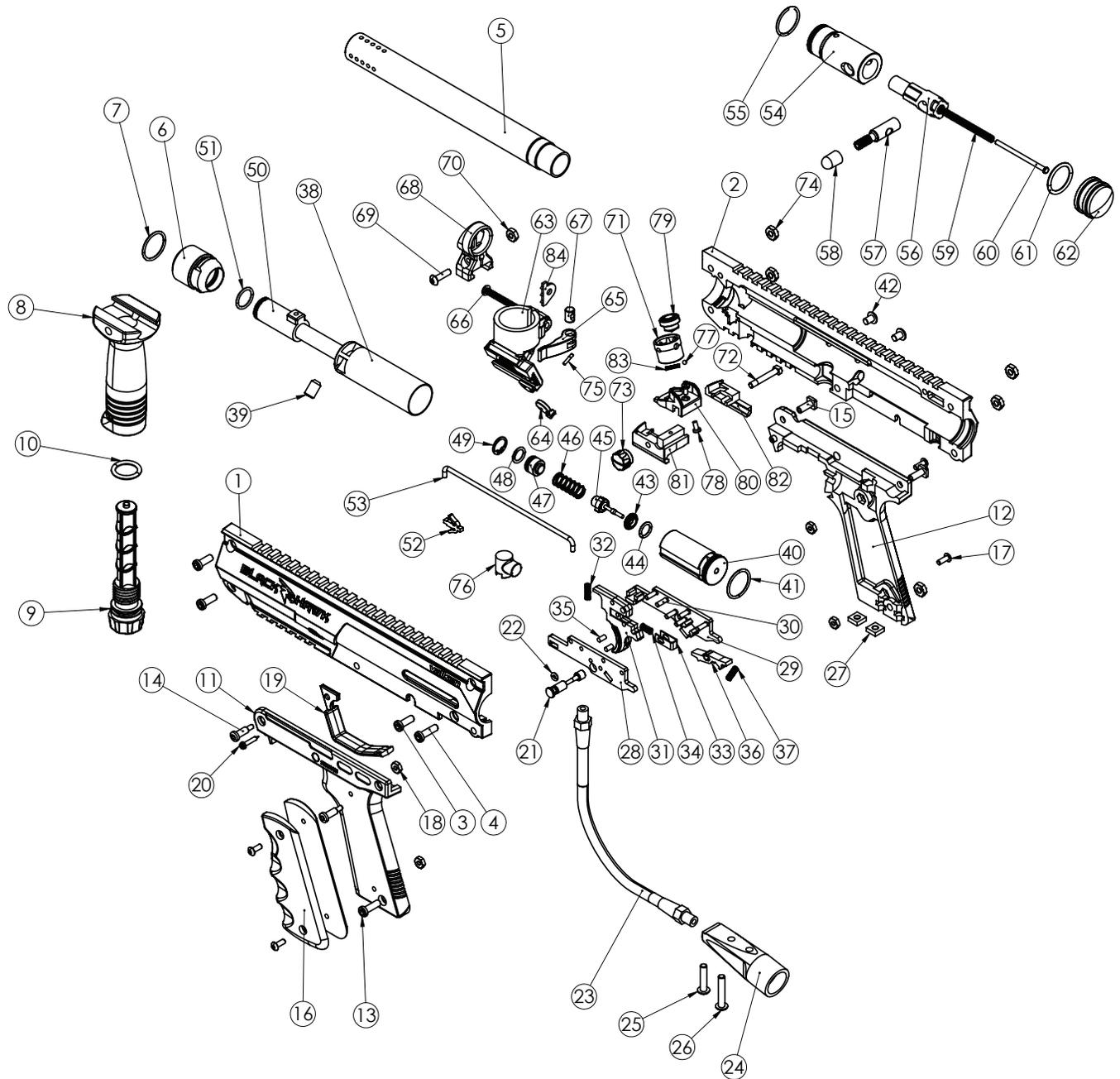
When play is done for the day, proper storage of the Blackhawk is essential to maintain proper function and extend the life of the marker.

1. Make sure eye protective devices designed specifically for paintball use are worn by the operator and anyone within range.
2. Empty the paintballs from the loader and remove the loader from the feed neck.
3. Point the marker in a safe direction and set the trigger safety pin to "fire" mode.
4. Remove the barrel blocking device and fire the marker in a safe direction until it is empty of paintballs.
5. Unscrew and remove the barrel.
6. Slowly unscrew and remove the air cylinder. Make sure the air cylinder does not separate from its valve/regulator.
7. Aim the Blackhawk in a safe direction and pull the trigger once to move the cocking bolt to the forward position.
8. Set the safety to "safe" mode.
9. The marker is now ready to be cleaned or put away for future use.

# Blackhawk Schematics

1. Reciever Left
2. Reciever Right
3. Short Reciever Screw
4. Long Reciever Screw
5. Barrel
6. Barrel Thread Adapter
7. Barrel O-ring -019 NBR 70
8. Foregrip
9. Foregrip Locking Stem
10. Foregrip O-ring M3X16.5-NBR 70
11. Frame Left
12. Frame Right
13. Frame Screw
14. Frame Retention Screw
15. Frame Retention Nut
16. Grip
17. Grip Screw
18. Grip Nut
19. Trigger Guard
20. Trigger Guard Screw
21. Trigger Safety Pin
22. Trigger Safety O-ring 006
23. Steel Braided Hose
24. Air Source Adapter
25. Short ASA Screw
26. Long ASA Screw
27. ASA Mounting Nut
28. Trigger Plate Left
29. Trigger Plate Right
30. Trigger Plate Pin
31. Trigger
32. Trigger Spring
33. Trigger Catch
34. Trigger Catch Spring
35. Trigger Catch Pin
36. Sear
37. Sear Spring
38. Valve Tube
39. Velocity Screw
40. Valve Housing
41. Valve O-ring 019-eu 90
42. Valve Screw
43. Cup Seal Seat

44. Cup Seal Seat O-ring
45. Cup Seal
46. Cup Seal Spring
47. Spring Stop
48. Spring Stop O-ring 012-eu70
49. Retaining Ring
50. Bolt
51. Bolt O-ring 015-nbr70
52. Ball Detent
53. Conneting Rod
54. Hammer
55. Hammer O-ring 019eu 90
56. Hammer Insert
57. Hammer Cocking Pin
58. Hammer Cocking Pin Cover
59. Hammer Spring
60. Hammer Spring Strut
61. Hammer Bumper O-ring 117 nbr70
62. Rear Body Plug
63. Feedneck Housing
64. Feedneck Housing Lock Lever
65. Feedneck Clamp Lever
66. Feedneck Screw
67. Feedneck Clamp Nut Stem
68. Front Sight
69. Front Sight Screw
70. Front Sight Nut
71. Rear Sight Turret
72. Rear Sight Stem Screw
73. Rear Sight Thumb Knob
74. Reciever Nut
75. Feedneck Lever Pin
76. Expansion Chamber Plug
77. Rear Sight Ball Bearing
78. Rear Sight Screw
79. Rear Sight Detent Mount
80. Rear Sight Top Plate
81. Rear Sight LH
82. Rear Sight RH
83. Rear Sight Spring
84. Feedneck Claw Plate



## Blackhawk Paintball Marker

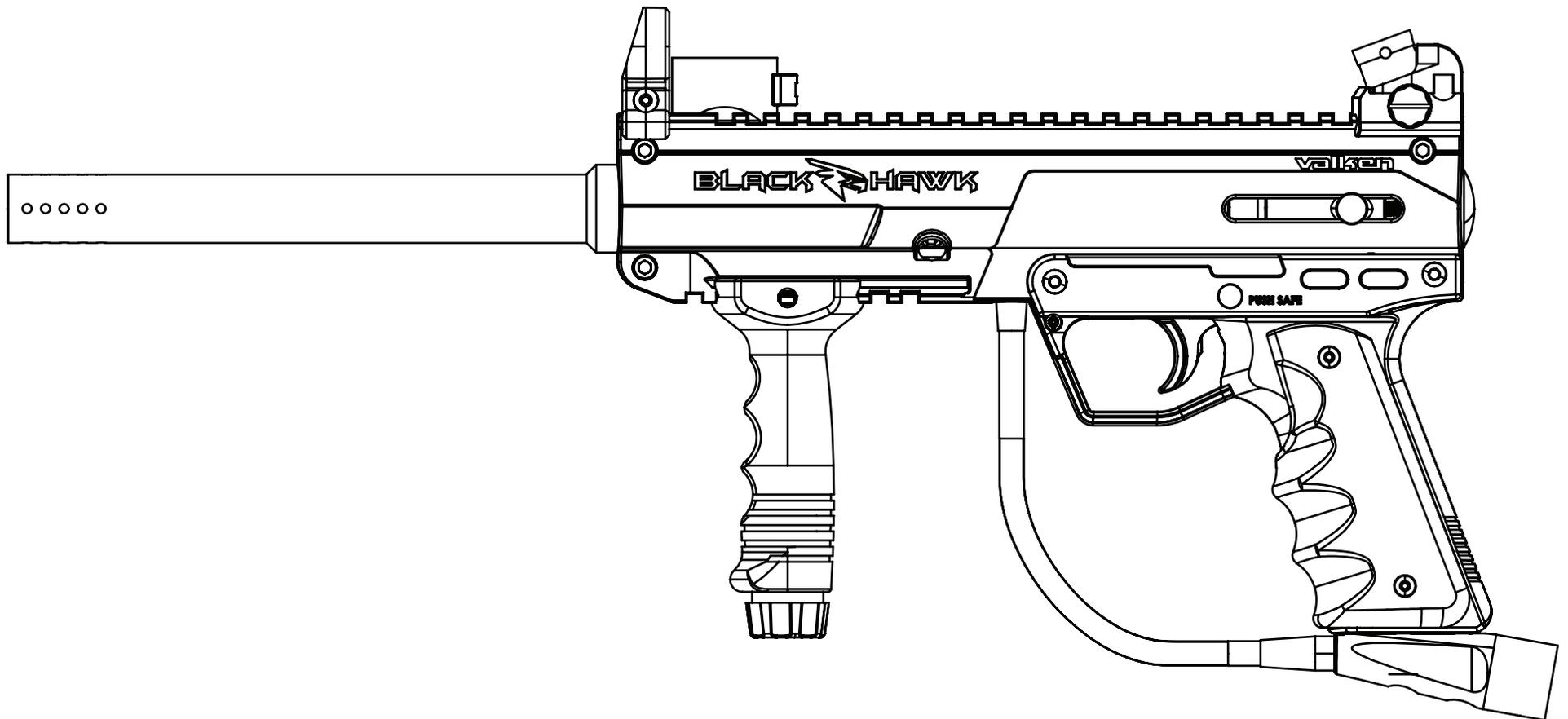
Thank you for purchasing the Blackhawk Paintball Marker by Valken Paintball. The Blackhawk was designed to be a durable paintball marker for players of all experience levels in all conditions and be easy to maintain.

### Specifications

Caliber.....	0.68
Action.....	Semi-Automatic
Barrel .....	Removable 8" ported
Power.....	CO2 or Compressed Air (High Output)
Construction.....	Aluminum & Polymer
Velocity .....	Up to 300 Feet Per Second (FPS)
Effective Range .....	150+ feet

## Rules of Safe Marker Handling

1. Treat every marker as if it were loaded.
2. Never look down the barrel of a paintball marker.
3. Keep your finger off the trigger until ready to shoot.
4. Never point the marker at anything you don't wish to shoot.
5. Keep the marker on "safe" until ready to shoot.
6. Keep the barrel blocking device on the marker's muzzle when not shooting.
7. Always remove paintballs and propellant source before disassembly.
8. After removing propellant source, point marker in safe direction and discharge until marker is degassed.
9. Store the marker unloaded and degassed in a secure place.
10. Follow warnings listed on propellant source for handling and storage.
11. Do not shoot at fragile objects, such as windows.
12. Every person within range must wear eye, face, and ear protection designed specifically to stop paintballs and meeting ASTM standard F1776.
13. Always measure your marker's velocity before playing paintball and never shoot at velocities in excess of 91.44 meters (300 feet/per- second).
14. Do not use this marker to shoot at a target closer than 20 feet.





## LIMITED WARRANTY

Valken Paintball guarantees the Blackhawk against defects in material and or workmanship of this marker for twelve (12) months from the original date of purchase by the original retail purchaser. To activate your warranty, fill out the warranty card and mail it, along with a copy of the original purchase receipt. In the event that a part is defective, Valken will send out a replacement part free of charge. Wearable items such as o-rings, screws, ball detents are not covered under this warranty. Failure of any part due to an accident, abuse, neglect, modification, misuse, operator error, lack of maintenance, or use of parts inconsistent with the use originally intended for the marker as sold is not covered by this warranty.

Valken makes no other warranties or guarantees, expressed or implied for this marker. Valken limits its sole and exclusive liability and that of its authorized dealers, affiliates, or agents pursuant to this warranty to cover repair or replacement of the defective part. Incidental and consequential damages are expressly excluded hereunder. Valken Paintball, its authorized dealers, affiliates, or agents, will not be liable under this warranty, nor under any state or federal law, or the common law or otherwise for any damage or failure, including personal injury, resulting from such use and/or alteration. This warranty gives you specific legal rights, and additional rights vary from state to state.

### **Warranty Registration Card**

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Province \_\_\_\_\_

Zip Code \_\_\_\_\_

Country \_\_\_\_\_

Phone \_\_\_\_\_

E-Mail \_\_\_\_\_

Purchased from \_\_\_\_\_

Store location \_\_\_\_\_

Purchase price \_\_\_\_\_

For warranty parts, service or information contact:

Valken • 1 Hawk Court • Swedesboro, NJ 08085

(856) 812-2800 • [www.valken.com](http://www.valken.com)