



# Brass Eagle™

2111 S. 8th, Rogers, Ar 72756 U.S.A.



THIS BOOKLET CONTAINS:

- Operating instructions
- Warranty information
- Maintenance instructions
- Troubleshooting & Repair guide
- Parts List



## STINGRAY

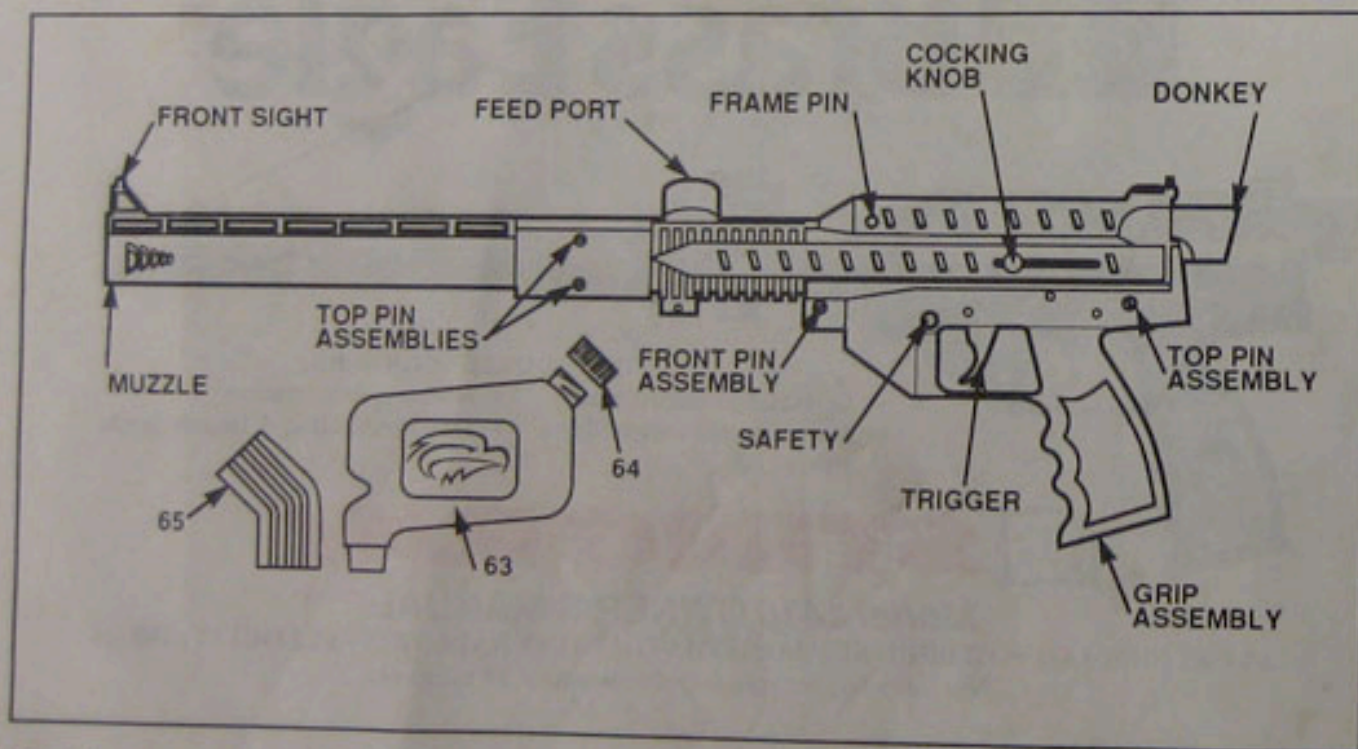
### Model 1410 OWNER'S MANUAL

.68 CALIBER CO<sub>2</sub> POWERED SEMIAUTOMATIC PAINT BALL GUN - VELOCITY: 280 fps

Not intended for sale to persons under 18 years old.



**WARNING:** THIS IS NOT A TOY. MISUSE / CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. EYE, EAR, THROAT AND HEAD PROTECTION MUST BE WORN AT ALL TIMES. MUST BE 18 YEARS OR OLDER TO PURCHASE, OPERATE OR HANDLE. READ OPERATION MANUAL BEFORE USING.



Page 2

**! WARNING:** NEVER SHOOT AT ANYONE WITHOUT PROPER PROTECTIVE EQUIPMENT FOR EYES, EARS, THROAT AND HEAD, WHICH MUST BE WORN AT ALL TIMES. FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS MAY RESULT IN BODILY INJURY INCLUDING BLINDNESS AND DEAFNESS.

**! This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows:**

Welcome to the Brass Eagle team and thank you for purchasing a Brass Eagle paint ball gun.

We at Brass Eagle stand committed to providing you with the best product and service available. Your Stingray model is designed and manufactured to provide ease of maintenance and trouble free performance. We ask that you read this manual to obtain the maximum enjoyment of your purchase.

As a team member, you have the responsibility of storing and operating your gun in a safe and responsible manner. This responsibility means following the rules for safe gun handling found on page 4 and storing your gun unloaded and locked to prevent unauthorized use.

Should you need assistance in any way, contact us and we will do everything in our power to help you.

Page 3

## Rules of Safe Gun Handling:

1. Treat every gun as if it were loaded.
2. Never point the gun at anything you don't wish to shoot.
3. Keep the gun on safe until ready to shoot.
4. Always remove CO<sub>2</sub> source before disassembly.
5. Store the gun unloaded in a locked place.
6. Follow warnings listed on CO<sub>2</sub> source for handling and storage.
7. Never use ammunition other than .68 cal. paint balls
8. Do not shoot fragile objects such as windows.
9. Paint balls may cause staining of some surfaces.
10. Always wear proper face, eye, and clothing protection, and never shoot a person without this protection on.

Page 4

## Operating Instructions


- Step 1.** Put on 'SAFE'. Push safety from left to right; no red band showing.
- Step 2.** COCK. Cock gun by pulling cocking knob fully back until locked in sear position. The stingray is a semiautomatic gun, which will re-cock itself after firing when everything is working properly. It is only necessary to cock the gun when installing CO<sub>2</sub>, or possibly for initial shot.
- Step 3.** PUT IN CO<sub>2</sub> BOTTLE: Gun can be used with either quick change adapter (12 gram cylinders) or constant air tank.

### A. QUICK CHANGE ADAPTER INSTALLATION:

Quick change adapter permits use of Disposable 12 gram CO<sub>2</sub> cylinders.

RECOMMEND Daisy® Brand Quick Silver® 12 gram cylinders available at most sporting goods outlets.

Page 5


 **CAUTION:** 12 gram CO<sub>2</sub> cylinders may explode at temperatures above 160° F (71° C).

- 1) Put gun on 'SAFE' by pushing the safety from left to right; no red band showing.
- 2) Cock gun by pulling cocking knob fully back until locked in sear position.
- 3) Screw quick change adaptor fully into donkey.
- 4) Unscrew adaptor knob until 12 gram cylinder can be inserted with neck pointed towards donkey.
- 5) With CO<sub>2</sub> cylinder in correct position, and gun pointed in safe direction, tighten adaptor knob fully.
- 6) Gun is now ready to fire.

Page 6

## B. CONSTANT AIR TANK INSTALLATION:

Constant air tanks can be filled by your local fire extinguisher service outlet. Contact them for details. See tank label for fill and storage information.

 **WARNING:** Use only CO<sub>2</sub> gas. Any attempt to use cylinders containing other types of gas could be extremely dangerous. The use of gases other than CO<sub>2</sub> could result in an explosion or could rupture the gun, causing serious injury.

- 1) Put gun on 'SAFE' by pushing in safety from left to right; no red band showing.
- 2) Cock gun by pulling cocking knob fully back until locked in sear position.
- 3) With gun pointed in safe direction, screw in constant air tank clockwise into donkey.  
**NOTE:** Check valve in tank, will not open unless tank is fully tightened.
- 4) Gun is now ready to fire.


Page 7

#### Step 4. LOAD PAINT BALLS.

- 1) Insert ball hopper onto feed port.
- 2) Pour balls into hopper. **NOTE:** Balls are gravity fed from hopper to the gun each time the trigger is pulled. Too rapid a rate of fire, broken balls, or stacking in the hopper may cause a ball not to fire every time. Broken paint balls in the barrel may cause subsequent shots to break until the barrel is cleaned. Use only high quality paint balls. RECOMMENDED: BRASS EAGLE™ BRAND .68 CALIBER PAINT BALLS ONLY. Balls should be stored in a cool dry place in sealed plastic bags. Do not subject to freezing. Excessive heat and humidity can cause swelling and softening of balls causing breakage and/or poor feed.

**Step 5.** Take off 'SAFE'. Push safety from the right to left, so that red band is exposed. The gun is now ready to fire. FIRE. After completing the above steps, the gun will fire by pulling the trigger.

Page 8

 **WARNING:** Never shoot at anyone without proper protective equipment for eyes, ears, throat and head, which must be worn at all times. Failure to follow these safety precautions may result in bodily injury including blindness and deafness.

**Note:** If gun fails to discharge check the following:

1. Gun wasn't cocked.
2. Cylinder or tank is empty.
3. Cylinder or tank not fully tightened.
4. Extreme cold temperatures or an inadequate CO<sub>2</sub> supply will cause the gun to fail to recock. When this occurs a burping sound will be emitted.

#### EMPTY 12 GRAM CYLINDER REPLACEMENT:

Slowly turn knob on adapter counterclockwise just far enough for remaining CO<sub>2</sub> to discharge. Continue to turn knob until empty cylinder can be removed.

Page 9

## CONSTANT AIR TANK REMOVAL:

Unscrew tank slowly from donkey. A hissing sound may come from threads if tank is not empty. Wait until hissing stops before completely removing tank.

**⚠ WARNING:** Use only CO<sub>2</sub> gas. Any attempt to use cylinders containing other types of gas could be extremely dangerous. The use of gases other than CO<sub>2</sub> could result in an explosion or could rupture the gun, causing serious injury.

## WARRANTY: LIMITED 90 DAY WARRANTY

For ninety days from date of purchase, Brass Eagle™ will repair or replace and return this gun free of charge if defective in material or workmanship. Service is available by calling Brass Eagle™, 1-501-636-1200. Attach your name, address, telephone number, description of problem, and proof of purchase (Sales Slip) to the gun. Package prepaid. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

See repair information on page 18 regarding out of warranty repair.

Page 10

## Maintenance Guide

### CLEANING:

1. Remove CO<sub>2</sub> source and paint balls before cleaning.
2. After use, wipe all remaining paint from inside barrel and feed area. Rinse with warm water and wipe parts dry.

### BARREL REMOVAL:

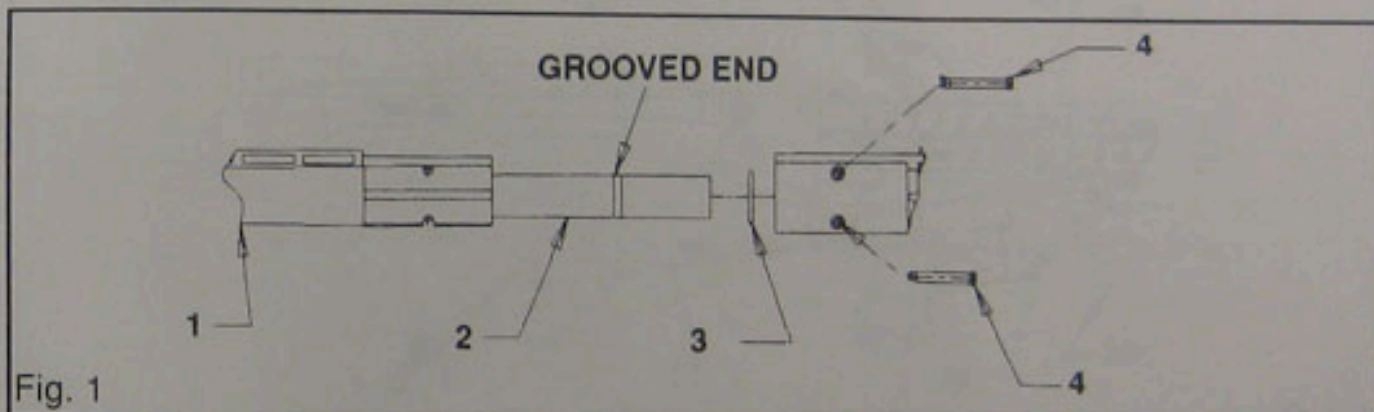
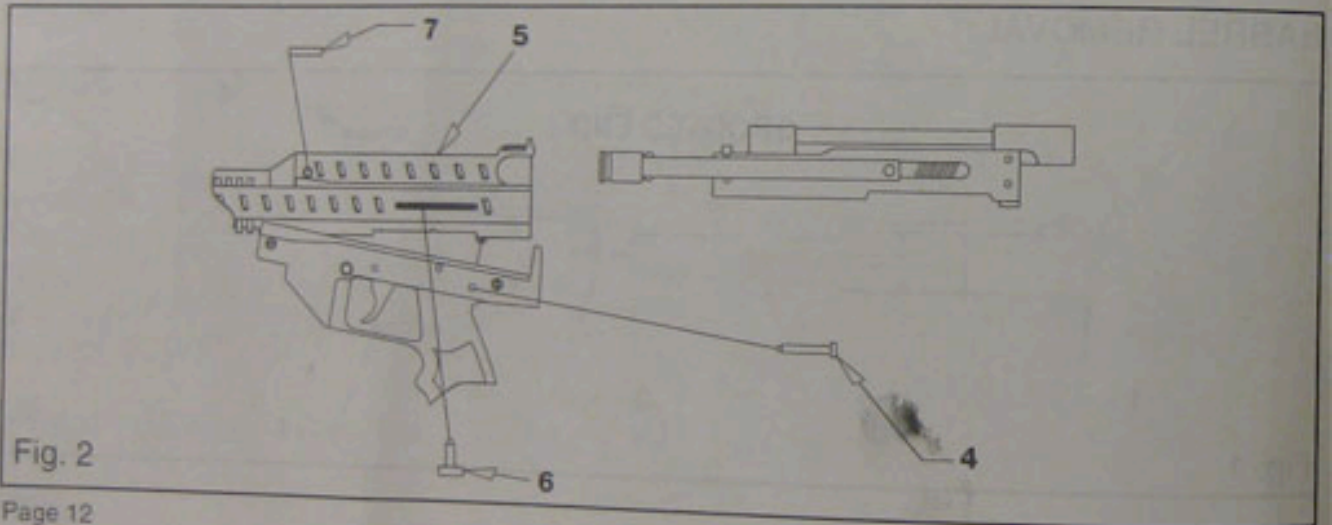


Fig. 1

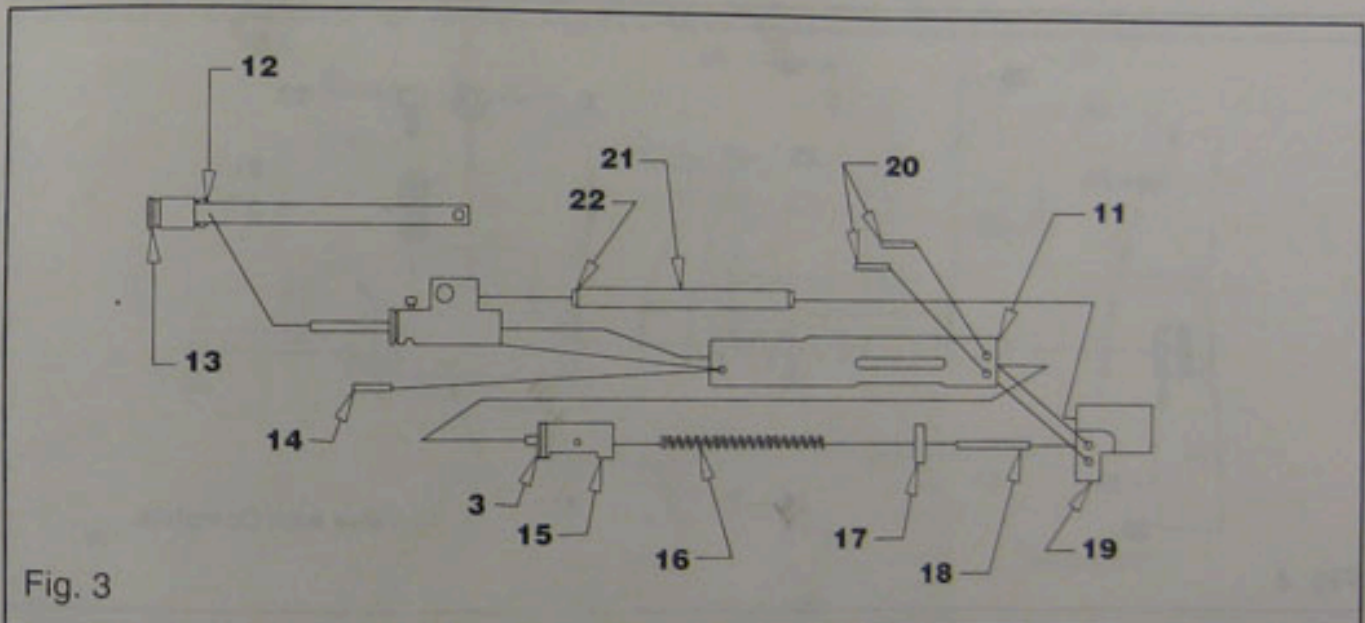
### VALVE & TUBE ASSEMBLY REMOVAL:

1. Remove CO<sub>2</sub> source and paint balls before disassembly.
2. To adjust power turn 23 clockwise to decrease and counterclockwise to increase. Use ball nose 5/32 Allen wrench (NOTE: 6 full turns counterclockwise from full down position is wide open. Any further turns open, counterclockwise can cause malfunction.)



### VALVE & TUBE ASSEMBLY DISASSEMBLY:

1. Remove CO<sub>2</sub> source and paint balls before disassembly:



## VALVE ASSEMBLY DISASSEMBLY:

1. Remove CO<sub>2</sub> source and paint balls before disassembly.

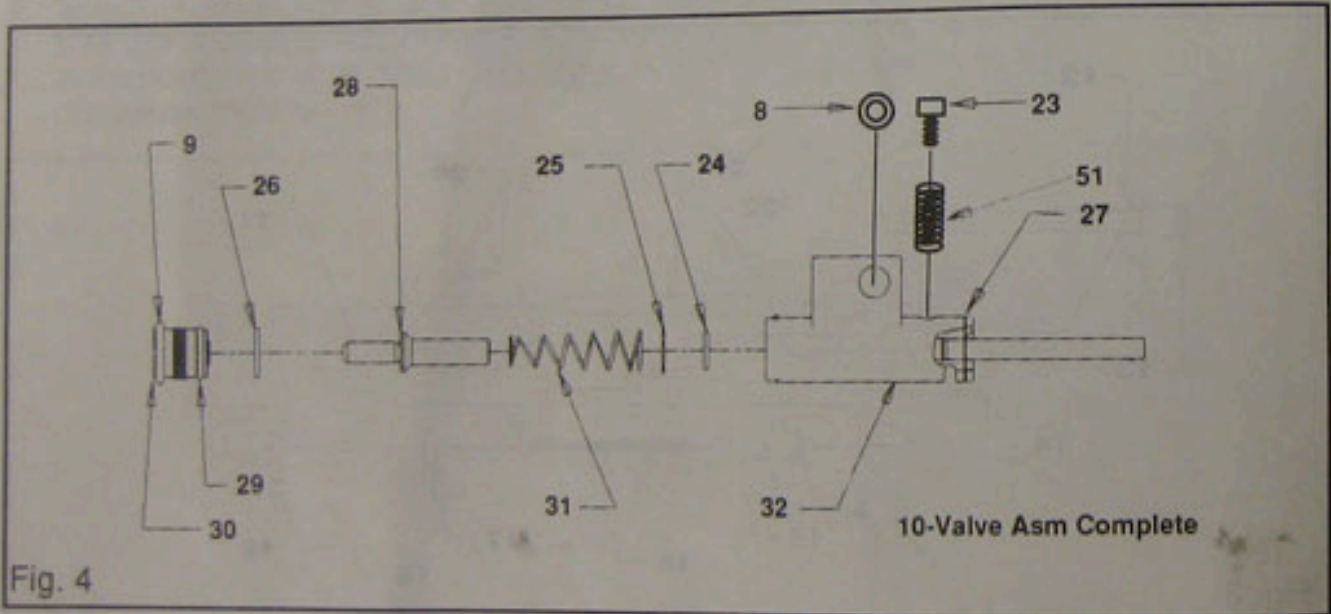


Fig. 4

## GRIP DISASSEMBLY:

1. Remove CO<sub>2</sub> source and paint balls before disassembly:

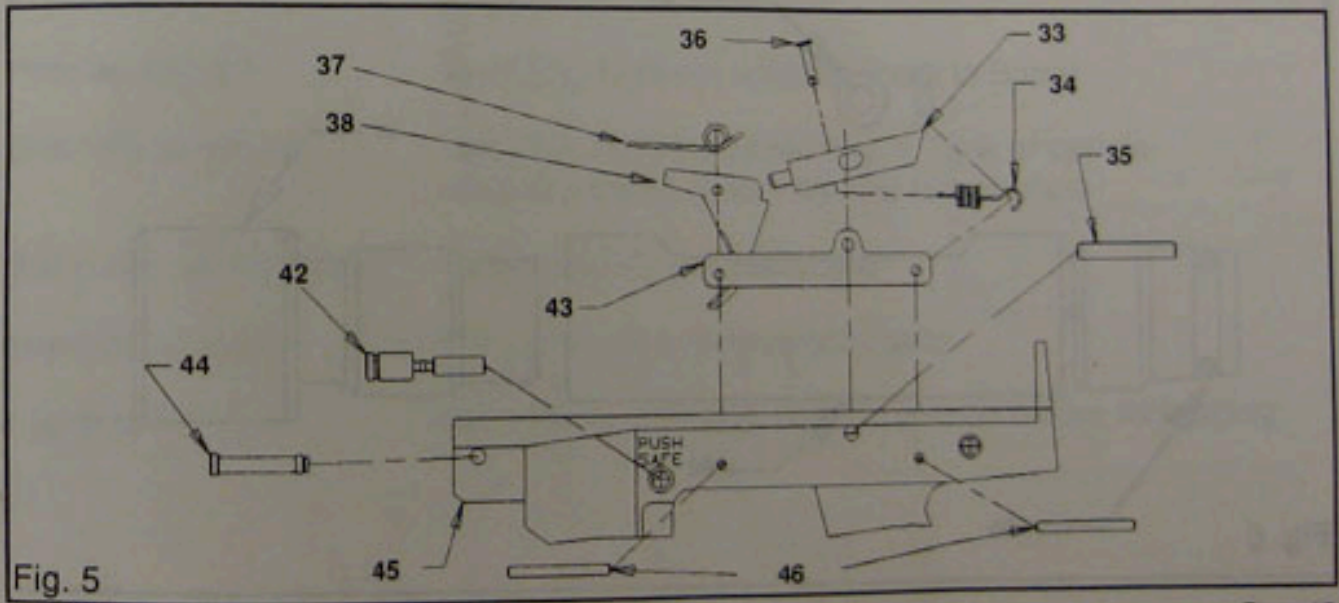


Fig. 5



## QUICK CHANGE ADAPTER:

1. Remove CO<sub>2</sub> source and paint balls before disassembly.

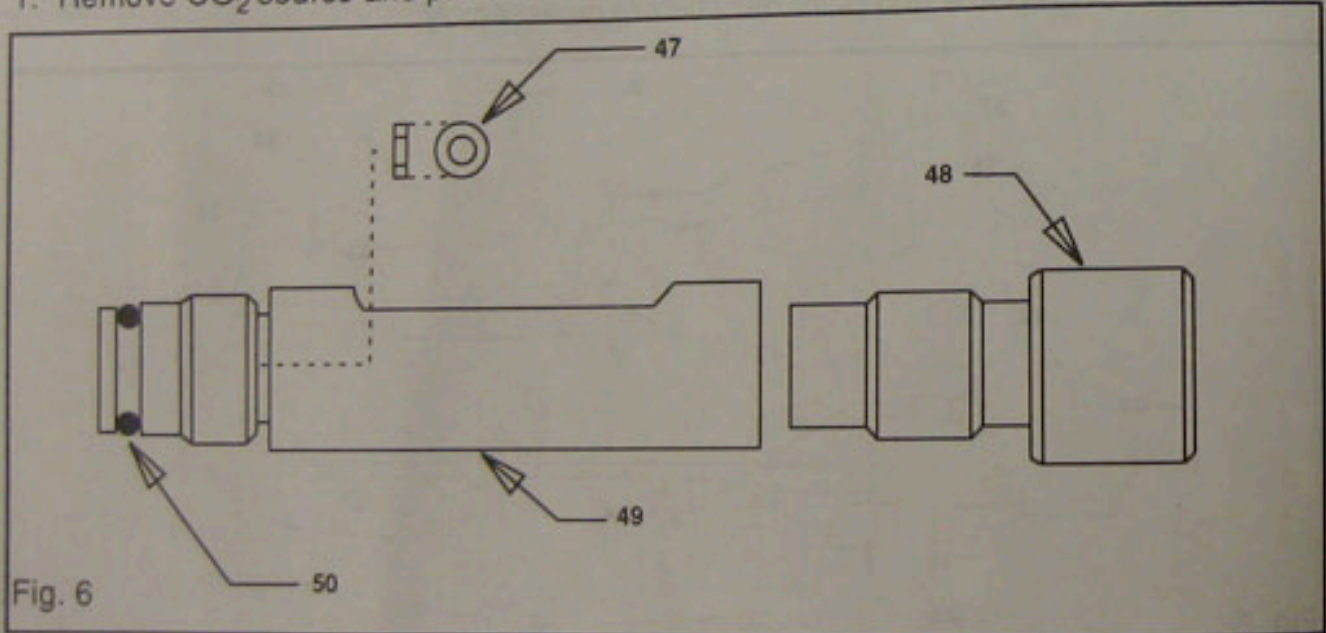


Fig. 6

Page 16

## TROUBLESHOOTING GUIDE:

<b>Problem:</b>	<b>Cause:</b>
Poor accuracy	Low CO <sub>2</sub> , Sight not adjusted, Paint in Barrel
Gun fails to recock	Low CO <sub>2</sub> , Paint hardened in gun, Tank or cylinder not fully pierced, Extremely cold temperature
Ball breaks when fired	Paint in barrel, Bad paint balls
Intermittent feed	Paint in hopper, Swollen paint balls
Leakage	Dirt in valve, Cut seal, Gun not cocked before recharging

## CARE AND MAINTENANCE

Clean and lube gun daily when in use and before storing as follows:

1. Remove CO<sub>2</sub> source and paint balls before disassembly.
2. Refer to figures 1,2,3,&5 during repair and maintenance and always use three or four drops of automatic transmission fluid (A.T.F.) whenever lubrication is called for in the instructions that follow.
3. Remove top frame pin (#7), rear grip pin (#4) and cocking knob (#6). Lower grip and slide hammer tube assembly from upper frame (see Fig. 2). Inspect for paint or foreign matter and clean as needed.
4. If gun has broken paint balls, remove barrel shroud (#1) from upper frame, and remove inner barrel (#2).
5. Clean barrel (#2), barrel shroud (#1) and upper frame (#5), as required, by washing with warm water and wiping or blow drying until dry, then reassemble.
6. Put hammer (#15) to the full rearward position by pulling the bolt and link assembly (#12) toward the back of the gun, then oil the hammer "O" ring (#3) and the inside of the hammer tube, just in front of the hammer. Release the bolt and link assembly and oil the bolt "O" ring (#13), bolt guide and top of transfer link (#12). Slide into upper frame and reinstall top frame pin (#7).

Page 18

7. Oil the top surface of the sear (#33) and the detent, in the forward end of the sear, with one or two drops of A.T.F. Place grip in position and replace the rear grip pin (#4) and cocking knob (#6). Cock and dry fire without CO<sub>2</sub>, to check for correct action and free movement of parts.
8. Place three to five drops of A.T.F. into CO<sub>2</sub> passage of donkey (#19), charge with CO<sub>2</sub> and dry fire six to eight cycles. While still cocked remove CO<sub>2</sub> and leave gun in cocked position when not in use.

Page 19

## GUNS OUT OF WARRANTY

Parts can be ordered through Brass Eagle™ on order form provided in this manual. To order, list part number, quantity and price. Include shipping and handling cost, and tax as required. No parts will be shipped until paid.

If you prefer that Brass Eagle™ repair your Stingray, attach your name, address and brief description of the problem to the gun. Package and send, transportation prepaid, to Brass Eagle™, Service Department. Brass Eagle™ will repair the gun or replace it with a reconditioned gun of the same model. A charge of \$38.00 will be made for repairing or replacing your gun.

Any gun should be accompanied by check or money order (not cash) in payment of the charge. If payment is not included, you will be invoiced for the charges plus \$4.00 handling charge. Upon receipt of payment, the gun will be shipped to you.

**FOR UPS DELIVERY: Brass Eagle™  
Service Department  
2111 South 8th  
Rogers, Arkansas 72756**

**NOTE:** The Stingray paint ball gun is controlled by Federal Postal Regulations. You may only send via U.S. Mail an inoperative Stingray gun to Brass Eagle™. The gun will be returned to your attention via UPS. Be certain to include a street address for UPS delivery.

Page 20

## STINGRAY PARTS LIST

Key	Part No.	Description	Price	Key	Part No.	Description	Price
1	136936-000	Barrel Shroud	3.50	29	136960-000	Retainer O-ring (included in 55)	0.25
2	136944-000	Barrel	3.50	30	164114-000	Valve Seal Retainer	2.00
3	136967-000	Hammer O-Ring (incl. in 55)	0.25	31	136955-000	Valve Seal Spring (included in 59)	0.25
4	136933-000	Pin Retainer (3)	0.50	32	164098-000	Valve Body/Bolt Guide	7.00
5	136937-000	Top Frame	5.00	33	169561-000	Sear Assembly-Welded	8.00
6	136941-000	Cocking Screw	2.00	34	136953-000	Sear Spring	1.50
7	136918-000	Top Frame Pin (incl. in 56)	1.00	35	136948-000	Sear Pivot Pin (included in 33)	0.25
8	136930-000	Top Bumper (included in 7)	0.25	36	136916-000	Pin Sear Spring	2.50
9	136997-000	O-ring (included in 55)	0.25	37	164121-000	Trgger Spring Group (incl. 38, 46)	1.00
10	164115-000	Valve Asm Complete (includes 9, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32)	18.00	38	136950-000	Trigger (included in 60)	0.50
11	136923-000	Hammer Tube	8.00	42	136940-000	Safety	1.00
12	164097-000	Bolt Transfer Link Asm.	6.00	43	136973-000	Sear Plate	4.00
13	136965-000	O-ring - Bolt (included in 55)	0.25	44	136932-000	Retaining Pin	.50
14	136964-000	Valve Pin	0.25	45	136935-000	Grip	4.00
15	136914-000	Hammer	4.00	46	136947-000	Trgger Pin (included in 60)	0.25
16	136962-000	Hammer Spring group (incl. in 57)	0.25	47	152653-000	Face Seal	0.50
17	136929-000	Hammer Bumper (included in 57)	0.25	48	136961-000	Puncture Screw Knob	5.00
18	136969-000	Hammer Spring Guide (included in 57)	0.50	49	136924-000	Quick Changer/Puncture Assembly	7.00
19	136939-000	Donkey	3.50	50	136981-000	O-ring	2.00
20	136957-000	Donkey Pin (2)	0.50	51	136963-000	Velocity Spring (included in 58)	0.25
21	164112-000	Transfer Tube	3.00	52	169592-000	Hammer Tube Assembly (incl. in 3, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)	38.00
22	136926-000	Tube Seal	1.00	53	Not Assign	Ball Stop Group (incl. 136931-000 CAP, 136949-000 BAL, 136954-000 SPRING, 136946-000 CAP PIN)	0.75
23	136956-000	Power Adj. Screw Group (incl. in 58)	0.25	54	135782-000	TELEFON SPACER O-RING FOR OLDER MODELS ONLY. INSTALLED INSIDE THE DONKEY'S TRANSFER TUBE PORT	1.00
24	136959-000	Valve O-ring (incl. in 59)	2.00				
25	164111-000	Valve Washer (included in 59)	1.50				
26	136925-000	Valve Seal	1.00				
27	136952-000	Valve Body O-ring (included in 55)	0.25				
28	136921-000	Valve Stem	5.00				

Page 21

## STINGRAY PARTS LIST (continued)

Key	Part No.	Description	Price
55	164116-000	O'ring Group (incl. 9,13,27,29,(2) 3)	1.00
56	164117-000	Top Frame Pin Group (incl. 7,8)	1.00
57	164118-000	Hammer Spring Group (incl. 16,17,18)	1.00
58	164123-000	Power Adj. Screw Group (incl. 23,51)	0.50
59	164119-000	Valve O'ring Group (incl. 24,25,31)	3.00
60	164121-000	Trigger Spring Group (incl. 37,38,46)	1.50
61	164096-000	Quick Change/Puncture Assembly (incl. 47,48,49,50,62)	17.00
62	169546-000	Puncture Pin Assembly	3.00
63	164121-000	Ammo Box	2.00
64	136970-000	Ammo Box Clip	0.50
65	136927-000	Elbow (for ammo box)	2.00

Page 22

### HOW TO ORDER

Parts should be identified by part numbers listed in this booklet. There is a minimum of \$2.00. Please enclose remittance by check or money order. Sorry, no C.O.D. or credit card orders on repair parts. Prices subject to change without notice.

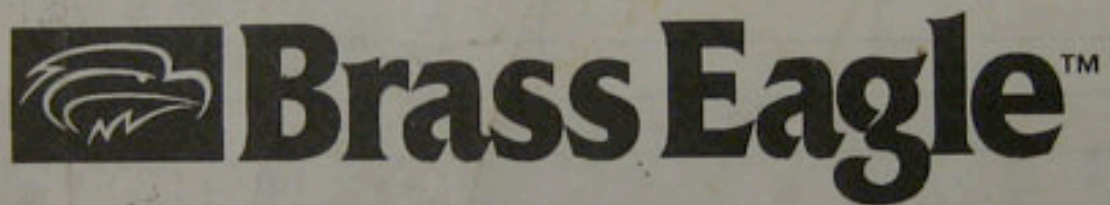
PARTS NO.	QUANTITY	PRICE EACH	TOTAL
<b>TOTAL</b>			
<b>SHIPPING: Please add \$2.50 for postage and handling on all orders</b>		<b>AR. RES. ONLY, ADD 6.5% TAX</b>	
		<b>Ship. &amp; Hand.</b>	<b>\$ 2.50</b>
<b>GRAND TOTAL</b>			

**Please print. Ship to Address**

<b>NAME</b>															
<b>ADDRESS</b>															
<b>CITY</b>						<b>STATE</b>									
						<b>ZIP</b>									

Send Orders To:  
**Customer Service Dept.**  
**BRASS EAGLE**  
 P. O. Box 220  
 Rogers, Arkansas 72757, U.S.A.

Page 23



Brass Eagle™  
P.O. Box 220  
Rogers, Arkansas 72757-0220, U.S.A.

PART NO. 137230-001