

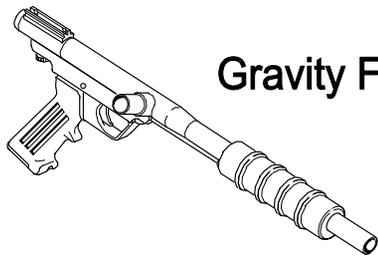
# User's Manual

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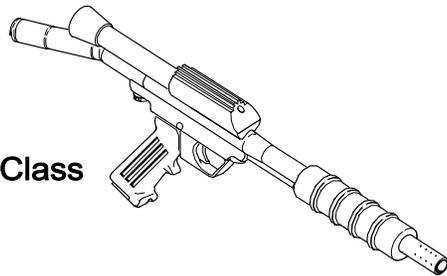
## Paintball Gun

## User's Manual

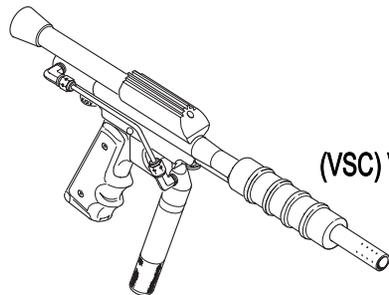
Component Concepts, Inc.  
The Phantom™ Paintball  
Gun User's Manual



**Gravity Feed**



**(SC) Stock Class**



**(VSC) Vertical Stock Class**

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# Precautions

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## **Safety-Your Responsibility**

The Phantom is designed and built to provide safe and dependable service if handled according to instructions. Read and understand the instructions and warnings in this manual before using the Phantom. Failure to do so could result in personal injury or property damage.

Phantom owners must comply with the following basic safety precautions. These precautions are given here for your safety and for the protection of the gun. Review them carefully before using or performing general maintenance or repairs on the gun.

### **WARNING**

The Phantom is a dangerous weapon if mishandled. This gun is not a toy nor is it intended for use by persons under the age of 18. Follow the basic rules of safe firearms handling and the laws governing the ownership and use of gas-fired guns. Careless handling of the Phantom or any other CO<sub>2</sub> powered gun may cause serious injury.

Do not handle this gun until you are thoroughly familiar with its mechanical characteristics.  
Always wear approved eye protection when operating this or any paintball gun.  
Pressurize with CO<sub>2</sub> only while the gun is in use.  
Keep exposed flesh away from escaping CO<sub>2</sub>.  
Always carry the gun with the safety "ON".  
Never point the gun in the direction of anything you do not intend to mark.  
Never look directly into the barrel.  
Use only .68 caliber paintballs.  
Do not attempt to service the gun without first removing the CO<sub>2</sub>.  
Do not fire the gun at a target that is less than three feet away.  
For everyone's protection, exercise common sense and safety during all situations.

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# Description and Operation

## Introduction

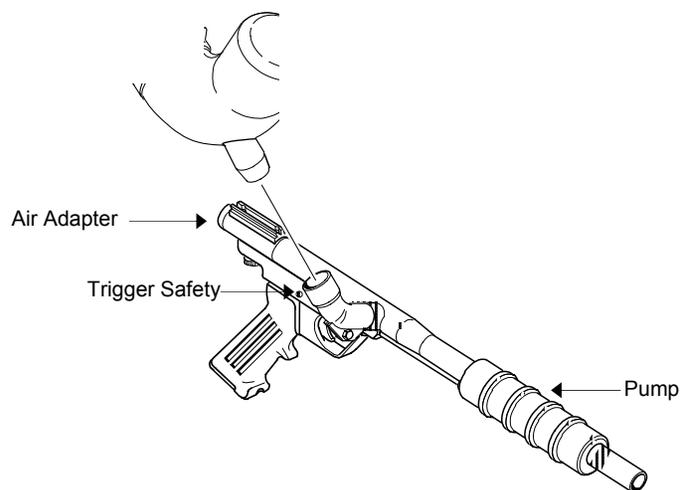
The Phantom is a .68 caliber, pump action, CO<sub>2</sub> powered gun designed to fire paintballs, which burst on impact to mark the aiming point.

The Phantom cocks all when the pump arm is pulled fully back and returned to its full forward position. Releasing the safety and squeezing the trigger fires the gun. The gun must be pressurized with CO<sub>2</sub> to cock.

The design mechanism includes a rapid fire capability. In the trigger, the gun fires with

Phantom's major components. Understanding the instructions

is manual.



## Specifications

Caliber	.68
Mechanism	Pump Action
Power	CO <sub>2</sub>
Safety	Trigger Block
Muzzle Velocity	180-325 fps (Adjustable) "F" Stamped less than 200 fps (Non-Adjustable)
Sights	Rear sight w/ Slide Rails
Weight	1.8 - 2 lbs.
Length	20½ to 34 inches
Barrel	Aluminum Alloy Roller Burnished 8-14 inch
Material	6061 T-6 Aluminum Alloy

## The Gun Safety

The Phantom safety is a push button located next to the trigger. The safety provides protection against accidental or unintentional discharge under normal usage when properly engaged (ON).

To engage the safety, push the button all the way to the right. To release the safety, push the button all the way to the left. See Figure 2 which illustrates the positions of the safety.

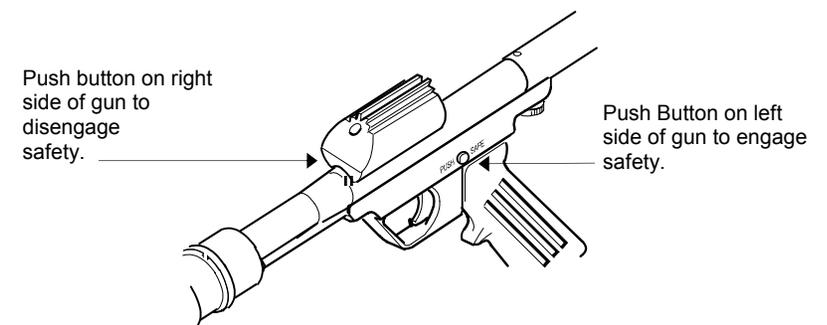


Figure 2. The Safety "ON" and "OFF" Positions.

**CO<sub>2</sub> Installation**

Stock Class:

Place 12 gram CO<sub>2</sub> cartridge in stock housing. Screw stock housing with cartridge onto puncture adapter. This action pierces cartridge and pressurizes gun.

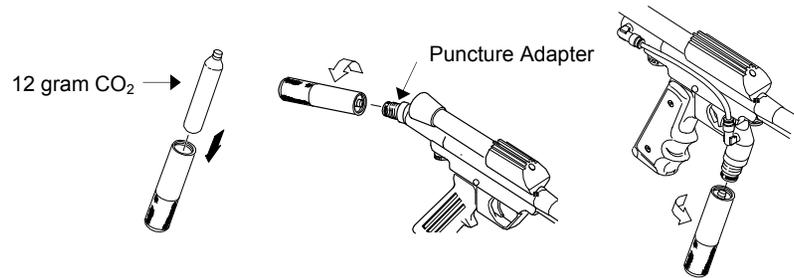


Figure 3. Stock Housing CO<sub>2</sub> Installation.

**Puncture Adapter Removal**

To remove the puncture adapter use a 3/8 hex key.

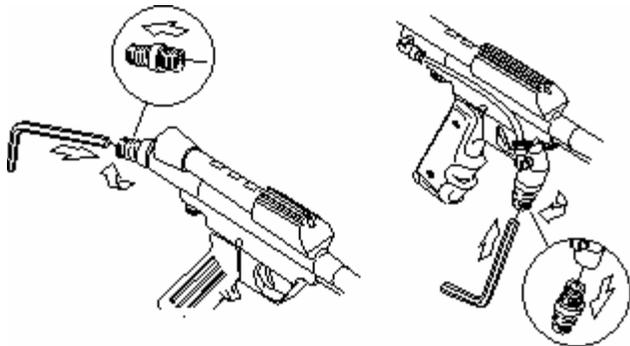


Figure 4. Puncture Adapter Removal.

**CO<sub>2</sub> Installation**

CO<sub>2</sub> Tank:

Thread the CO<sub>2</sub> tank into the air adapter. Tighten with hand to prevent leaks. If you have a leak check O-ring on tank. The gun is now pressurized.

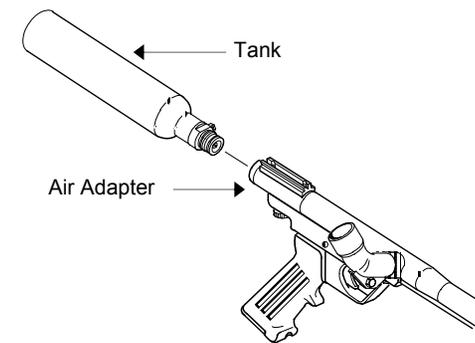


Figure 5. CO<sub>2</sub> Tank Installation.

**Load and Fire Paintballs**

Observe all safety precautions. Pour paintballs into ammo box or insert paintball tube with paintballs into horizontal feed for stock class gun.

Hold the gun firmly in the shooting hand while using the other hand grasp the pump and pull it to the rear as far as it will go; then push forward in a continuous movement. This action chambers a paintball and cocks the firing hammer.

The gun is now fully loaded. When ready to fire, push the safety button to the "OFF" position and squeeze the trigger.

### Velocity adjustment

Temperature and altitude influences the performance of CO<sub>2</sub>. The force generated by the main spring is adjustable to compensate for these environmental effects.

Although many playing fields allow velocities up to 320 feet per second (fps), the Phantom performs best at 280 fps.

To adjust velocity:

Observe all safety precautions. Visually check to be sure that no paintballs remain in the chamber. Use adjusting rod or unscrew barrel and use standard screw driver to turn the tuned port compensator. Turning the compensator clockwise will increase velocity and counterclockwise will decrease velocity.

**Caution: Turning the compensator clockwise more than six turns unseats it causing inconsistent performance and damage to threads.**

Adjust the nylon set screw to provide enough drag to prevent the compensator from moving freely. **Do not overtighten, you will strip out the nylon set screw.**

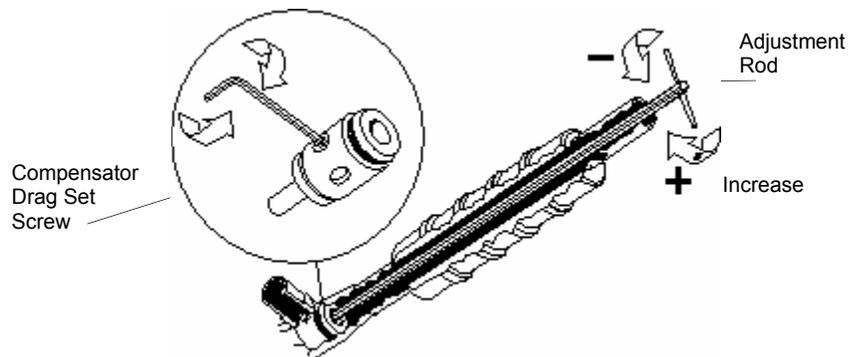


Figure 6. Compensator Adjustment

## Service and Maintenance

### Field Stripping

#### **WARNING**

The Phantom is a dangerous weapon if mishandled. Never clean, lubricate, disassemble, assemble, or work on the gun while it is pressurized. Observe safety precautions.

The working parts of the Phantom are either hard anodized, black-oxide, electroless nicked or stainless steel. These materials and plating procedures ensure long life; however, the bolt and hammer must be kept clean and lightly oiled. Do not put oil on the O-ring seals.

To field strip:

Remove the CO<sub>2</sub> and paintballs.

Remove the front and rear frame mounting thumbscrews and separate the grip frame assembly from the breech/barrel assembly.

Pull the air adapter out of the breech. The hammer and main spring will slide out.

Remove the bolt by pulling the bolt rod up slightly to release the bolt and tilt the breech so the bolt slides out.

#### **WARNING**

Any attempted modification, unauthorized service, or tampering may cause the Phantom to become unsafe or malfunction.

### **Cup Seal and O-ring Replacement**

An extra O-ring and cup seal has been supplied to help you sustain top performance of your gun. The O-ring is used in both the bolt and power tube assembly. The white seal is for the cup seal assembly.

Observe safety precautions.

Field strip the air adapter from the breech and use a 11/16 open end wrench to remove the power tube assembly. Unscrew the tube from the seal and turn seal over or replace if performance is poor or during normal operation the gun does not fire.

### **General Maintenance**

Do not store with CO<sub>2</sub> or with gun cocked.

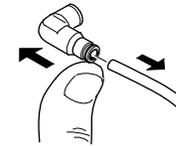
The gun must be kept clean for safe and reliable operation.

The bore of the barrel must be clean and dry for ultimate performance. Use a paintball squeegee and/or swab for a .68 caliber barrel. The barrel may be unscrewed for easy cleaning.

Inspect components to determine if they are in proper working order. If you are unsure, contact Component Concepts, Inc. or your dealer. If the performance changes dramatically you may need to return for repair. Before shipping, be absolutely sure that the CO<sub>2</sub> is removed.

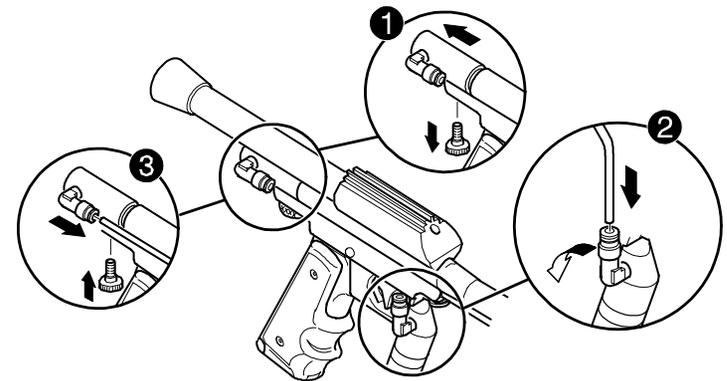
### **Service Notes**

To replace nylon tubing push the collet of the fitting in and pull the tubing.



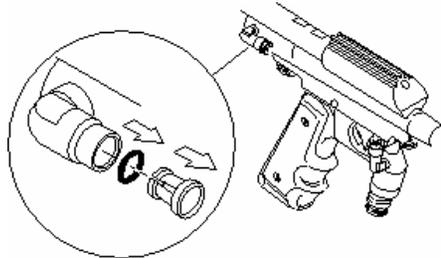
To prevent leaks make sure that the end of the nylon tube is cut smooth and round. The end of the tube must be inserted pass the O-ring at the base of the fitting.

**The vertical air system may have or may be replaced with a hard line metal tube.** To install or replace, remove the rear thumb screw and pull air adapter back but not out of the breech. Slide the short angle of metal tube into the vertical adapter. Rotate the vertical adapter until tube is aligned with center of air adapter fitting. Push the air adapter back into place and secure with thumb screw.

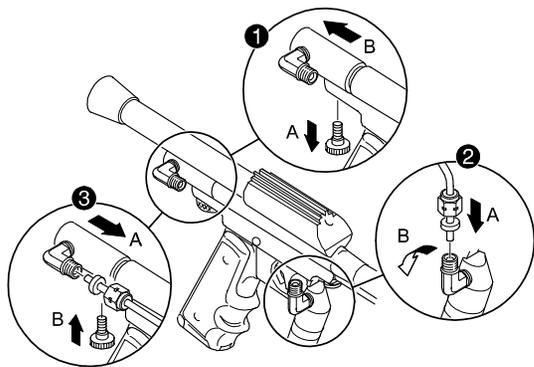


**Service Notes**

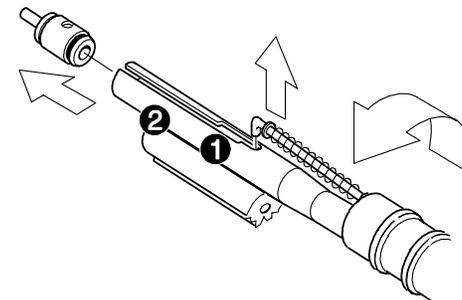
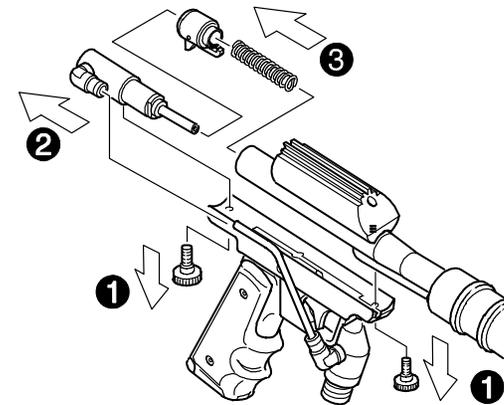
If your fitting should leak the internal O-ring in the fitting needs to be replaced. De gas the marker. Remove the tube by pushing in the collet and pulling the tube out. If you have a metal type tube you also need to remove the rear thumb screw. Pull and wiggle the collet back and forth to extract from fitting body. Replace the O-ring. (#9428)



Compression metal line assembly is the newest type vertical air connection and requires a 7/16 wrench for disassembly. The rubber sleeve is designed for positive seal with proper compression.



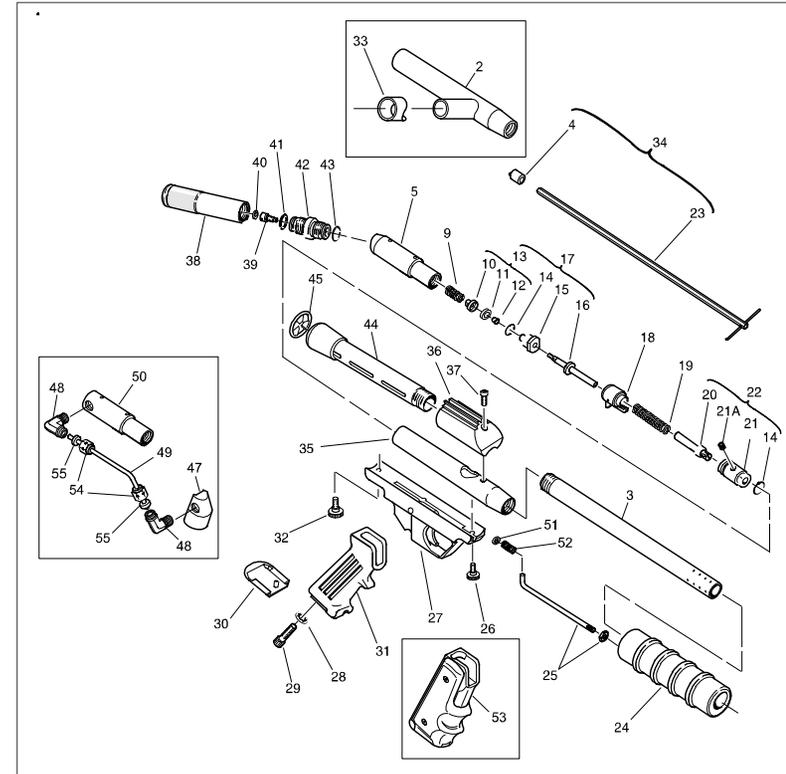
**Service Notes**



**Parts List**

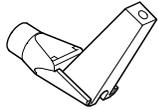
Item #	Part#	Description
15	9115	Retainer
16	9103	Power Tube, Modified Short
17	9116	Power Tube Assembly, Modified
18	9062	Anti-Kink Hammer Assembly
19	9051	Main Spring
20	9052	Tuned Port Compensator
21	9045	Bolt (21A, 14)
21A	9049	Nylon Set Screw 10-32x1/8"
22	9048	Bolt Assembly (TPC)
23	9068	Adjusting Rod, Hex 1/4"
24	9200	Pump
25	9212	Bolt Rod with Nut
26	9311	8-32 Thumbscrew, Front
27	9300	Frame Assembly (28,29,30,31)
28	9306	Lock Washer, 1/4"
29	9307	Grip Screw, 1/4-20x3/4" SHCS
30	9304	Grip Cover
31	9305	Grip
32	9316	10-32 Thumbscrew, Rear
33	9029	Feed Port Cover
34	9070	Adjusting Rod (TPC)
35	9003	Breech, Top Feeding
36	9011	Horizontal Feed
37	9013	Screw 8-32x5/8" SHCS
38	9410	Stock Housing
39	9038	Puncture Pin Assembly (includes #40)
40	9039	Puncture Seal
41	9806	O-ring, #77-614
42	9415	Stock Puncture Adapter Assembly (39,40,41,43)
43	9805	O-ring, #15
44	9414	10 Round Extension Tube
	9015	15 Round Extension Tube
45	9024	Ball Retainer
46	9458	Vertical Adapter Screw 8-32x1/4" BHSS
47	9424	Vertical Adapter
48	9429	Push-to-Connect Elbow
	9434	Vibra-Lock Elbow
49	9435	Metal High Pressure Tube
50	9417	Air Adapter Side Fitting
51	9206	Nylon Washer
52	9205	Return Spring
53	3045	45 Grip Frame
54	9441	Sleeve
55	9442	Compression Nut

**Exploded View**



Item #	Part#	Description
2	9009	Gravity Feed Breech
3	9006	11" Screw-in Barrel
	9007	9" Screw-in Barrel
	9008	14" Screw-in Barrel
4	9069	Hex to Slot, Adjusting Rod Adapter
5	9420	Air Adapter
9	9036	Valve Spring
10	9112	Cup
11	9111	Seal
12	9113	Eyelet
13	9110	Cup Seal Assembly (10,11,12)
14	9046	O-ring, #12

### Accessories



Bottom Line Air Adapter  
3090



SS Braided Air Line  
9439



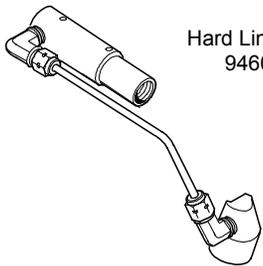
Hose Adapter  
9455



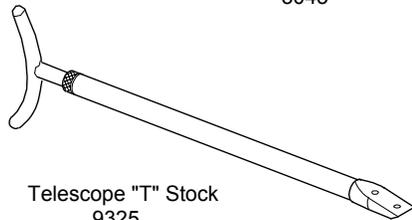
Hard Line Kit  
9460



45 Style Grip  
3045



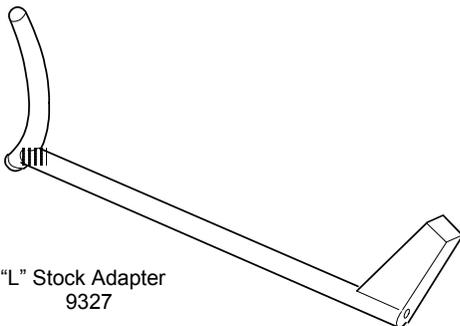
Vertical Adapter Kit  
9467



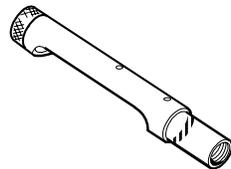
Telescope "T" Stock  
9325



45 Air Adapter  
3050



"L" Stock Adapter  
9327



Twist Change Adapter  
9042

## Warranty and Disclaimers

### Warranty

To confirm your warranty, fill out and return the enclosed warranty registration card.

The 180-day limited warranty begins on the date of purchase. This warranty applies to all models of the Phantom products and accessories manufactured or sold by Component Concepts, Inc. (CCI).

You are the owner if you are the original purchaser of the Phantom products from either CCI or an authorized dealer. This warranty only applies to original owners and is not transferable.

CCI pledges to you, the owner, that the Phantom products are free from defects in materials and workmanship for 180 days from the date of purchase.

During the term of this warranty, at no additional charge to the owner, excluding shipping, CCI will repair or replace any defective parts of the Phantom products with new or, at the option of CCI, refurbished parts.

The owner must prepay any shipping charges. In addition, the owner is responsible for insuring any product returned and assumes the risk of loss during shipping. All parts and products replaced under this warranty become the property of CCI.

To obtain this repair or replacement service, the owner must return the entire Phantom product to:

Component Concepts, Inc.  
530 South Springbrook Road  
Newberg, OR 97132

We are open 9AM to 5PM PST Monday through Friday.

Telephone: (503) 554-8095  
Fax: (503) 554-9370

**Disclaimers**

This limited warranty does not extend to any products not purchased from Component Concepts, Inc. (CCI) or an authorized dealer. This limited warranty also does not extend to any products damaged or made defective (A) as a accident, misuse, abuse; (B) by the use of parts not manufactured or sold by CCI; (C) by modifications, or (D) as a result of service or modifications by anyone other than CCI or an authorized dealer or service provider.

Except as expressly set forth above, CCI makes no other warranties, express or implied, including, but not limited to, any implied warranties of merchantability and fitness for a purpose beyond its designed use, and CCI expressly disclaims all warranties not stated here.

In the event the Phantom product is not free from defects as warranted above, your sole remedy as the owner shall be repair or replacement as provided above. CCI will not be liable to the owner, or to any user, for any damages, including any incidental or consequential damages, expenses, lost wages, or other damages arising out of the use of or inability to use safely CCI products.

Some states do not allow the exclusion or limitation of incidental or consequential damages for consumer products, and some do not allow limitations on how long an implied warranty last, so the above limitations may not apply to you. This warranty gives you specific legal rights and you also have other rights which vary from state to state.

(fold)

**Warranty Registration Card**

Product Purchased \_\_\_\_\_ Price \_\_\_\_\_

Serial Number \_\_\_\_\_ Date Purchased \_\_\_\_\_

Owner \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

Purchased From \_\_\_\_\_

Address \_\_\_\_\_

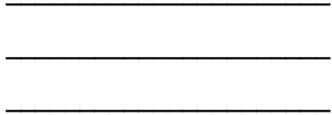
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

Comments \_\_\_\_\_

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