



## MK-4 FBG Components and Instructions





**Weapon Name:** FLASH BANG TRAINER Sound Concussion Grenade 12 Gauge ( Model# MK-4 Flash Bang Grenade )

**Description:** The MK-4 is a Revolutionary Impact Detonated Flash Bang Device which creates 175dB, 4psi of over pressure and 500K CP. This Flash Bang was designed to provide realistic training at a low cost per bang.

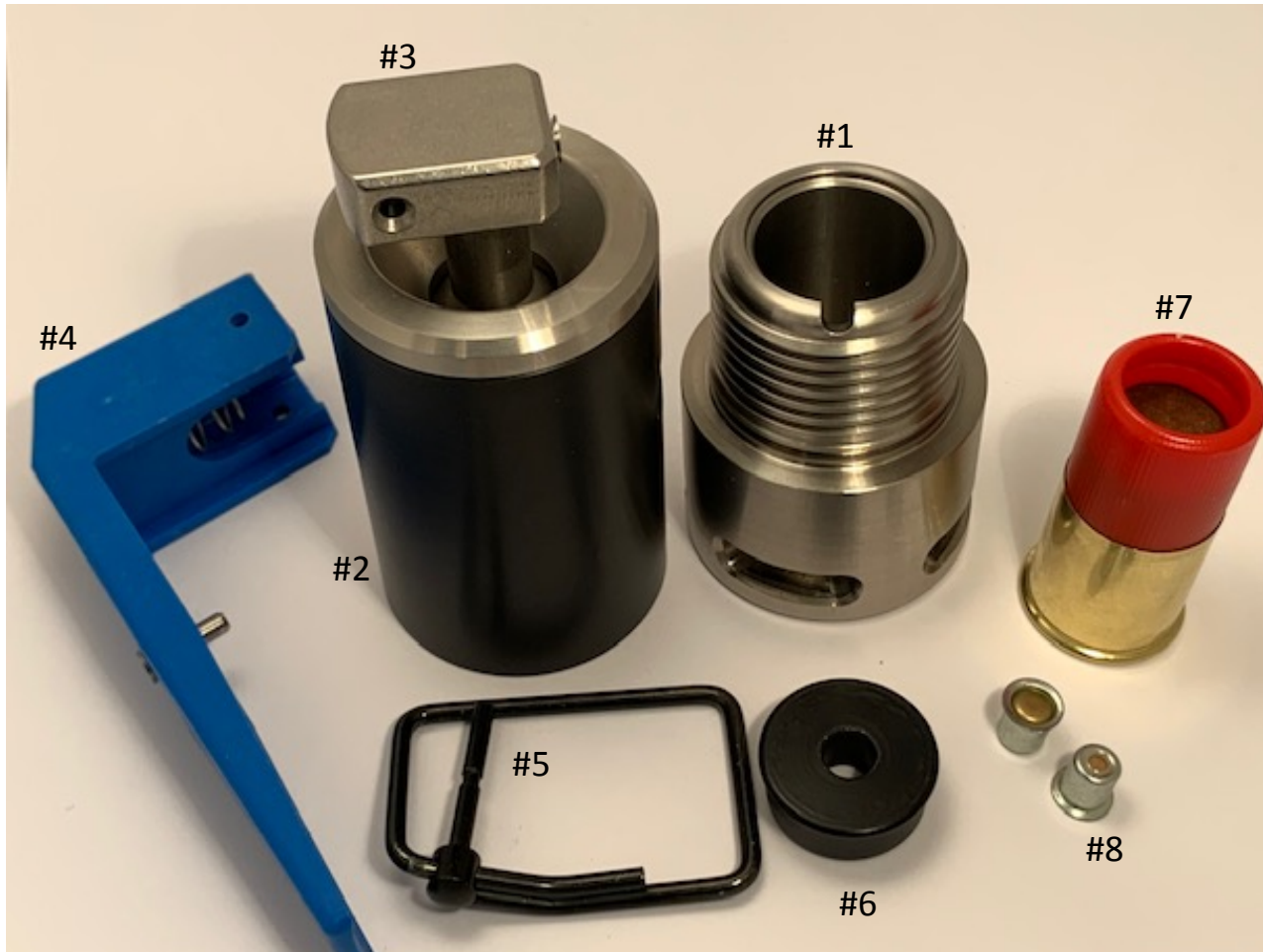
**History/Background:** The Impact Flash Bang was developed to overcome the shortcomings of traditional M201 Fuse type. Standard M201 fuse type Flash Bangs have a delay of 1.5sec +/- .03 seconds, which creates uncertainty where as the flashbang will detonate (anywhere from 1.2 – 1.8 sec). The M201 fuse is also a safety concern as they are dangerous, catch items/houses on fire and the M201 Fuse itself can become a projectile hazard.

Our Impact Flash Bang (MK-4) solves all of the problem associated with traditional M201 fuse type Flash Bangs. Our Impact Flash Bangs are not time delayed they are detonated where they strike. The operator can deploy against a wall, window, slider, car door, car window, second story, ceiling wall couch or any other object they strike. Our Flash Bang is not an explosive, and will never take off like a rocket. It will also not become so hot they start fires. In fact, they are cool to the touch upon initiation. With the MK-4 you will never have to worry about the fuse separating and injuring personnel. The MK-4 produces a loud bang with minimal smoke eliminating the operational hazard associated with smoke. The most important feature of the MK-4 is its ability to be serviced and reloaded by the user.

**Potential Targets/Applications:** Training environments, new operator inoculation, individual targets, prison/civil rioters, training, Active Shooter Training, animal control/conditioning and other training applications.

**Primary Users:** Law Enforcement, Military

## MK-4 Components and Accessories



- #1 Chamber
- #2 Body
- #3 Toggle
- #4 Safety Spoon
- #5 Safety Pin
- #6 209 Primer Adaptor
- #7 FBC Cartridges
- #8 209 Primers
- #9 ACS Pouch (optional)
- #10 Colored Spoons (optional)



# FBG-MK4 RISF (Royal Arms Impact Initiated Safety Flashbang)

MK4 Multiple safety system



Safety cross pin



Safety cross pin catch



Firing pin safety lock



Anti roll pin & indicator



## MK-4 Loading Procedures 209 Primer & Adaptor

Unscrew body from chamber



Install Primer Adaptor and 209 Primer



Screw body onto chamber insuring the two parts mate up.





## MK-4 Loading Procedures FBC Cartridge

Unscrew body from chamber



Place Flash Bang  
Cartridge (FBC) into  
chamber



Screw body onto chamber insuring  
the two parts mate up.



## MK-4 Deployment Procedures

Ensure safety spoon, pin and cartridge are installed.



Firmly grip flash bang and safety spoon in one hand.



Using other hand pull safety pin.



Deploy flash bang in safe direction. *Note: Tumbling device will ensure activation.*



## MK-4 Un-Loading Procedures

Recover all parts



*Note: Spoon may be used as a tactical extraction tool.*

Remove spent shell or  
Primer Adaptor with  
push out tool.



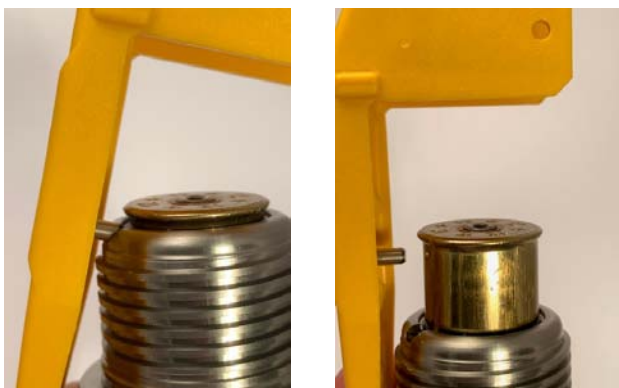
Re-Install spoon and pin  
back onto MK-4.



Inspect Primer



Discard trash. Save  
Primer Adaptor.





## MK-4 Recovery ( Failure to Fire) Procedures/Immediate Action

Recover device again by holding the toggle or body. Keeping chamber side away from operator. (PPE is required)



Insure body and chamber are fully seated together.



Correct



Incorrect



Re-deploy flash bang in safe direction.



## MK-4 Recovery ( Failure to Fire) Procedures. Second Attempt

Recover device again by holding the toggle or body. Keeping chamber side away from operator. (PPE is required)



Unscrew body from chamber, ensuring not to place hands over blast ports. Safely remove FBC cartridge or 209 Primer. (PPE is required)



Remove spent shell or primer.

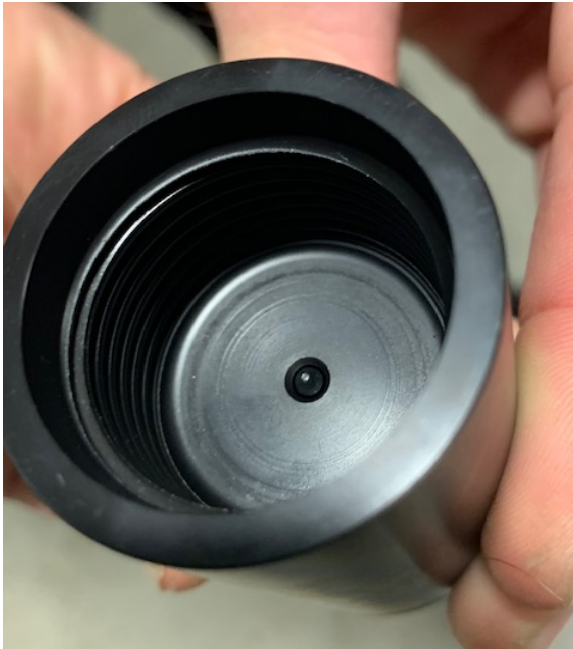


Re-install safety spoon and safety pin.



## MK-4 Preventative Maintenance

Clean threads and ensure firing pin moves freely. Inspect for damage.



Ensure toggle moves freely.



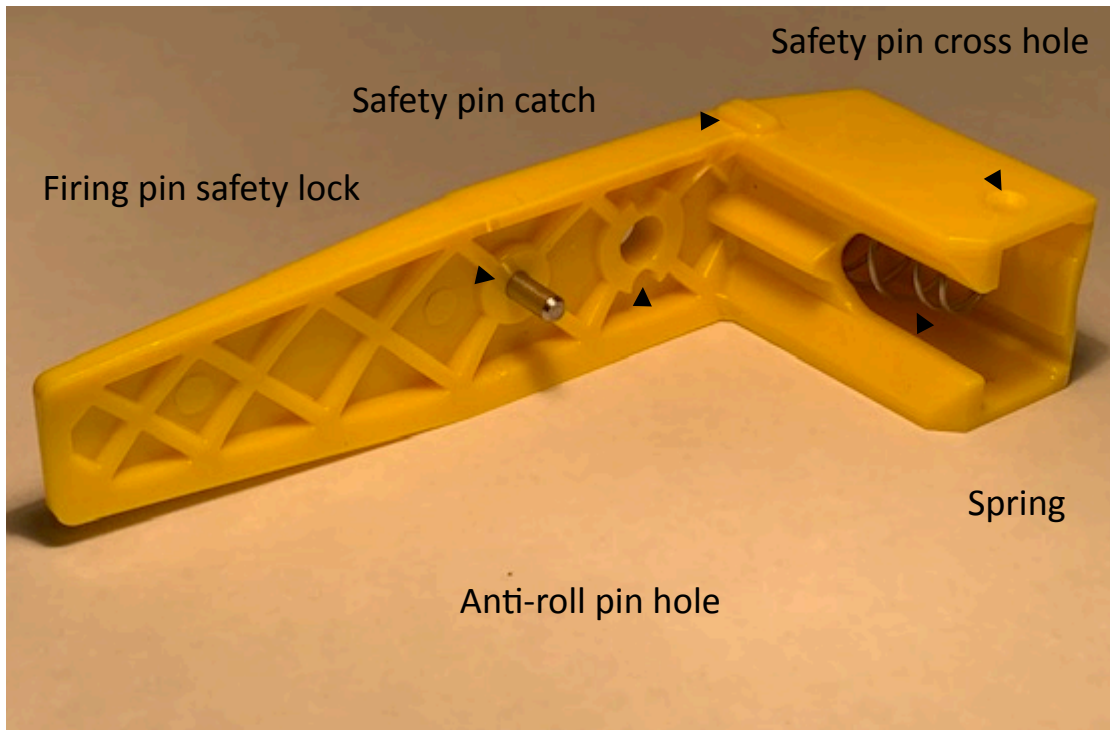
Clean threads and chamber. Inspect for damage. Light anti-seize or oil is recommended on threads.



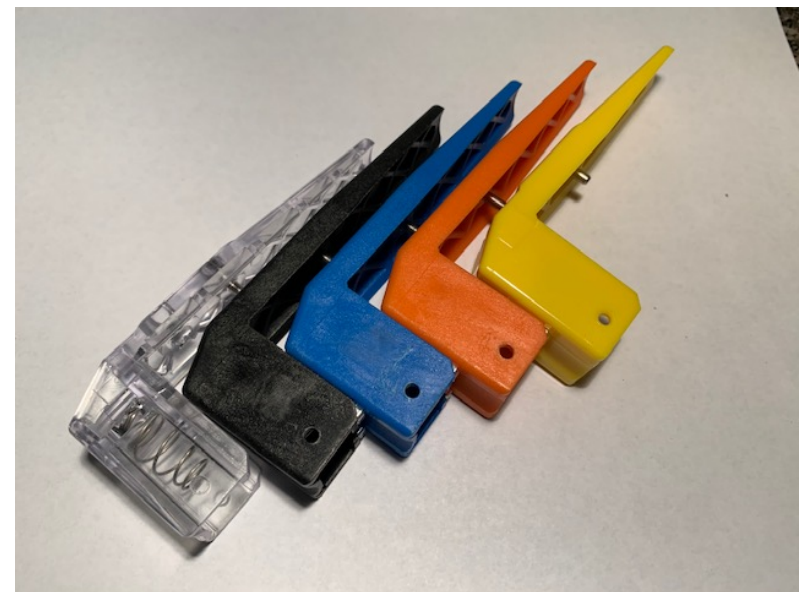


## MK-4 Preventative Maintenance

If device is dropped or deployed with spoon still attached, cracks or complete spoon failure may occur. Proper inspection of safety spoons is required after every deployment or drop.

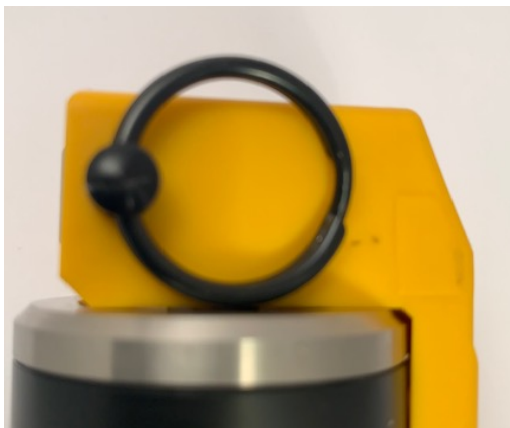


*Note: Safety spoons are sacrificial parts. A new spoon should be used if damaged or cracks become noticeable.*





Install ACS pull pin in MK-4.  
*Note: this pin is only needed for  
single hand deployment.*



Run deployment string  
through key ring.



## MK-4 and ACS Pouch Overview

Secure deployment string on  
hook. Located on the back of  
ACS pouch.



Place MK-4 in pouch ensuring  
safety spoon is inside lever  
protection slot.



## MK-4 and ACS Pouch Overview

Place MK-4 in pouch.



Lower cover plate until it locks in place.



Lift locking lever to ensure secure device.



Video





For more information please visit us on our website.  
You can also follow us on Facebook, Instagram or  
watch videos of our products on YouTube.



1420 Highway 99 Lewisburg, TN 37091 • 888-876-9251 (888-8Royal1)  
Website: [www.RoyalArms.com](http://www.RoyalArms.com) • Email: [Sales@RoyalArms.com](mailto:Sales@RoyalArms.com)