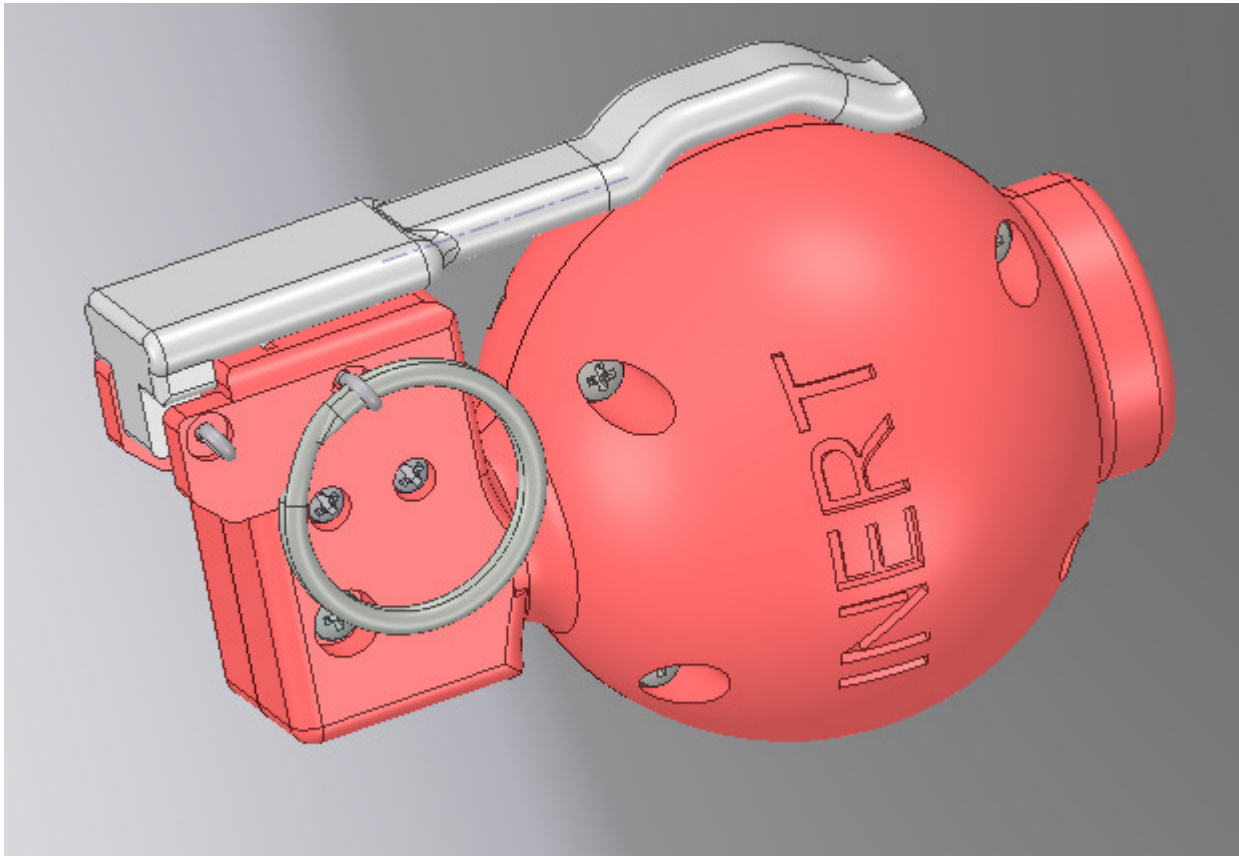




ORDNANCE TRAINING SOLUTIONS®

**Model M67SIMG2
Fragmentation Grenade Simulator**



Ordnance Training Solutions ®

M67SIMG2

Fragmentation Grenade Simulator

DESCRIPTION

Ordnance Training Solutions' M67SIMG2 Fragmentation Grenade Simulator is an electronic training device designed to provide Military, Law Enforcement, Security Professionals with a reliable, cost-effective and reusable tool to develop critical skills, new techniques, and practice procedures without the risks or hazards typically associated with explosive training aids.

Engagement simulation (detonation and flash) is accomplished by a powerful siren, producing typically 103 ±5 dB(A) at 15 Vdc at 24 inches (61 cm) at 25°C and a super-bright LED strobe.

When activated, fuse time and run time is nominally 4 seconds and 4 seconds respectively, as received from OTS. Every 7 minutes, the M67SIMG2 Fragmentation Grenade Simulator beeps and flashes to facilitate location and recovery.

Alternate fuse and run times can be can be accommodated upon request.

An integrated micro-controller (MCU) provides timing and control functions. The circuitry is

protected from over-current and short circuit condition by an integrated PTC resettable fuse. When an over-current or short circuit condition exists, the resettable fuse will open isolating the MCU from the internal battery. When the condition is removed, the fuse will self-reset allowing the MCU to resume normal functions.

Additionally, the MCU and other internal electronic components are reverse-polarity protection should the battery be installed incorrectly. The MCU will resume normal functions once the battery has been installed in proper orientation.

To comply with Technical Surveillance Counter Measures and WIDS requirements, the M67SIMG2 Fragmentation Grenade Simulator does not include circuitry allowing receive or transmitting of electronic data via WiFi, Bluetooth or cell phone.

The M67SIMG2 Fragmentation Grenade Simulator is Inert and does not generate heat to ignite flammable materials or contain explosive components to cause injury to persons. As such, this training aid is not regulated by ATF.

SPECIFICATIONS*

Controls

1.25" Pull Ring Activates / Secures for exercises, storage and transport.

Spoon Spring-actuated micro-switch starts / stops micro-controlled timer (fuse simulator) operations.

Mode of Operation Releasing the Spoon activates integral MCU. After a 4 second initial fuse, the internal siren and LED strobe activates 4 seconds. FindMe™ mode provides visual and audible alerts @ 7min intervals until spoon is secured.

ELECTRICAL

Power Required Qty 1, A23 style Miniature Alkaline Battery; nominally 12V 55mAh. Field-replaceable.

Integral PCBA Micro-controlled timing, over-current and reverse-polarity protection, and battery holder.

Integral Siren Typically 103 ±5 dB(A) at 15 Vdc at 24 inches (61 cm) at 25°C.

Integral LED Strobe

MECHANICAL

Material Molded Urethane Rubber

Weight 148gm, 0.32lb

Dimensions 71mm (2.8in) Dia X 106mm (4.2in) High

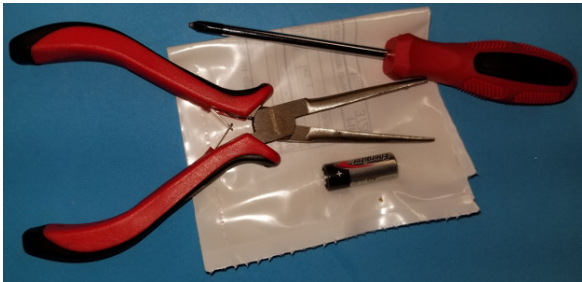
Color Translucent Red body with white spoon. Call for custom body and spoon colors.

Warranty 1yr

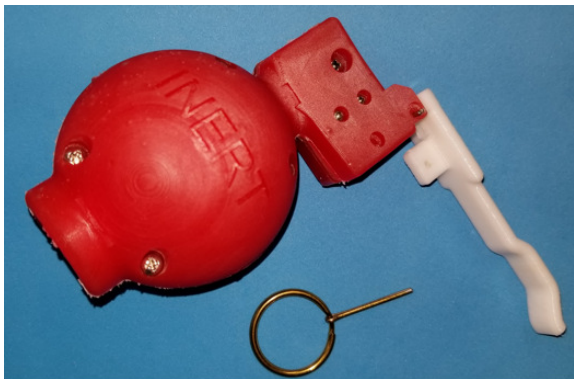
*Subject to change without notice

BATTERY REPLACEMENT

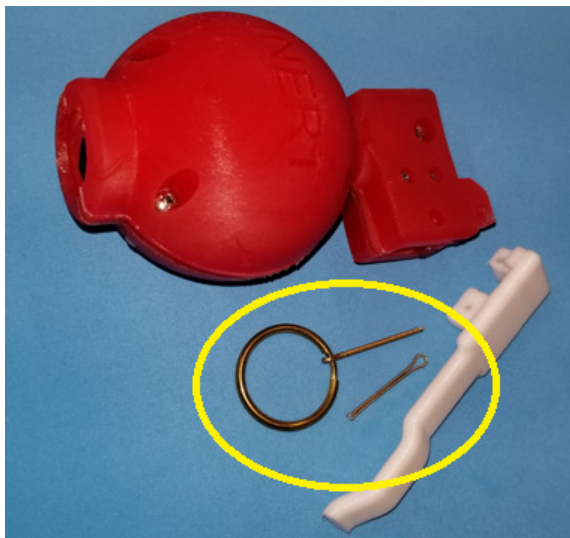
1. Tools Required:
New Energizer A23 Battery
#1 Philips Screwdriver
Needle nose Pliers



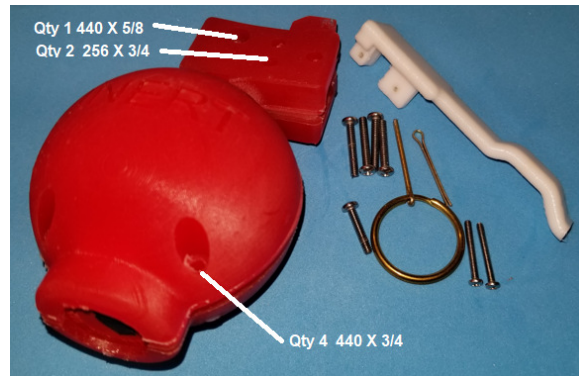
2. Remove Pull ring and allow spoon to open fully.
Retain Pull Ring to reinstall later.



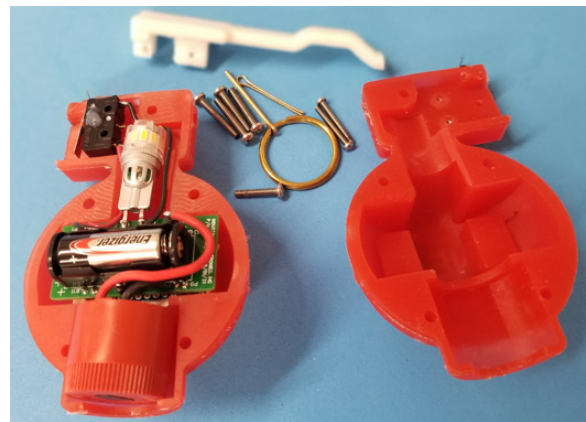
3. Using needle nose pliers, carefully remove cotter pin from spoon pivot point.
Retain cotter pin to reinstall later.



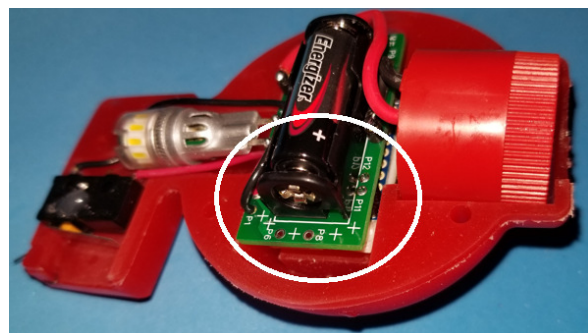
4. Using #1 Philips screwdriver, carefully remove qty 7 Phillips-head screws.
Retain screws to reinstall later.



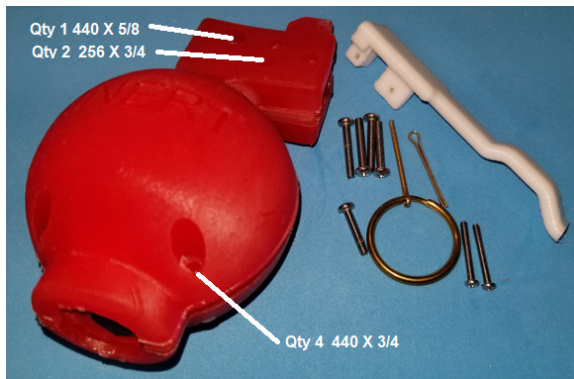
5. Carefully separate two halves to expose the battery holder.



6. Remove depleted battery paying attention to battery orientation and polarity markings.
7. Install new battery in same orientation and polarity markings. The + marking on the battery should match the + markings on the Printed Circuit Board.



8. 4 seconds after inserting the new battery, the FLASHBANGG2 should activate to indicate the battery has been installed correctly. If there is no sound or LED activity, check polarity of battery installation.
9. Fit the two halves together, then carefully reinstall qty 7 Phillips-head screws in proper location as shown below. **Do not over-tighten.** Screws should protrude no more than 1 to 1 ½ threads past the nuts.



10. Position spoon between torsion springs and carefully reinsert cotter pin through body, torsion springs and spoon.



11. open and close spoon a few times to ensure spoon moves freely.
12. close spoon. reinstall Pull Ring.
13. Properly dispose exhausted battery.

Ordnance Training Solutions ®

a/k/a Industrial Electronics, Inc.

WARRANTY

Ordnance Training Solutions* (OTS) warrants that the items will be delivered free from defects in material or workmanship. OTS makes no other warranties, express or implied, and specifically NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

OTS's exclusive liability is limited to repairing or replacing at OTS's option, items found by OTS to be defective in workmanship or materials within one year from the date of delivery. OTS's liability on any claim of any kind, including negligence, loss, or damages arising out of, connected with, or from the performance or breach thereof, or from the manufacture, sale, delivery, resale, repair, or use of any item or services covered by this agreement or purchase order, shall in no case exceed the price allocable to the item or service furnished or any part thereof that gives rise to the claim. In the event OTS fails to manufacture or deliver items called for in this agreement or purchase order, OTS's exclusive liability and buyer's exclusive remedy shall be release the buyer from obligation to pay the purchase price. In no event shall OTS be liable for special or consequential damages.

Quality Control

Before being approved for shipment, each OTS instrument must pass a stringent set of quality control tests designed to expose any flaws in materials or workmanship. Permanent records of these tests are maintained for use in warranty repair and as a source of statistical information for design improvements.

Repair Service

If it becomes necessary to return this product for repair, it is essential that Customer Service be contacted in advance of its return so that a Return Authorization Number can be assigned to the unit. Also, OTS must be informed, either in writing, by telephone, or facsimile transmission, of the nature of the fault of the product being returned and the model, serial number and revision number. Failure to do so may cause unnecessary delays in repairs. The OTS standard procedure requires that products returned for repair pass the same quality control tests that are used for new production products. Products returned should be packed to withstand normal transit handling and must be shipped PREPAID to OTS. The address label and package should include the Return Authorization Number assigned. Instruments returned that are damaged in transit due to inadequate packing will be repaired at the sender's expense and it will be the sender's responsibility to make claim with the shipper. Instruments not in warranty should follow the same procedure and OTS will provide quotation for repairs.

Damage in Transit

Shipments should be examined immediately upon receipt for evidence of external or concealed damage. The delivery carrier should be notified immediately of any damage, since the carrier is normally liable for damage during shipment. Packing materials, waybills, and other such documentation should be preserved in order to establish claims. After carrier notification, please notify OTS of the circumstances so that assistance can be provided in making damage claims and providing replacement equipment if necessary.

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