



***Practicing Where It Counts –
In Your Own Home...
With Your Own Gun...
Using Your Own Tactical Scenarios***

Safety and Product Information

ReadyShot Target and ReadyShot Gun Insert Kit

Back Page: **Semi-Automatic Polymer Frame Pistol**

Thank you for choosing ReadyShot!

Before operating, please fully read the Operating Instructions.

We appreciate your business and are looking forward to hearing from you regarding our products.

Questions? Contact us: 1-877-973-2399 or info@ReadyShot.com

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WARNINGS AND DISCLAIMERS

SAFETY INSTRUCTIONS

We want you to SAFELY enjoy using your new ReadyShot Training System. Please **READ THIS ENTIRE INSTRUCTION MANUAL CAREFULLY**. It is essential to follow the safety instructions for your safety and the safety of others.

- **All safety measures are to be followed when dry firing.**
- **Follow all rules as if you were at the range.**
- **You are responsible for your safety and for those around you.**
- **At ALL times, treat your firearm as if it is loaded.**
- **Always keep your gun pointed in a safe direction.**
- **Always keep your finger off the trigger until ready to shoot.**
- **Remove all ammunition from the room in which you practice.**
- **Visually inspect to verify that the firearm and all magazines in the vicinity are unloaded.**
- **Always follow firearm safety rules as outlined by the firearm’s manufacturer.**
- **Always keep the firearm unloaded until ready to use.**
- **This training system is not a toy. Lasers and magnets can be dangerous if not used properly. Adult supervision is required.**
- **Do not point the laser beam at eyes. Permanent eye damage can result.**
- **Never look directly into the laser beam.**
- **Never point a laser beam at a person.**
- **Do not aim the laser at reflective surfaces.**
- **Never view a laser pointer using an optical instrument, such as binocular or a microscope.**
- **Do not allow children to use laser pointers unless under the supervision of an adult.**
- **It is a crime to point certain laser beams at moving airplanes or automobiles; this action may result in prosecution by the law.**
- **Do not allow children to handle neodymium magnets. Do not swallow or insert these magnets into any part of the body.**
- **Keep this and all firearm related products locked and secured from children or other unauthorized users.**
- **To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.**

LASER SAFETY AND DISCLAIMER



CLASS IIIa LASER PRODUCT
LASER RADIATION--DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

DO NOT OPERATE A LOADED FIREARM WHILE READYSHOT IS ATTACHED

Discharging a loaded firearm while ReadyShot is attached can result in the firearm not functioning properly, potentially leading to damage to the firearm, AS WELL AS THE POTENTIAL FOR PHYSICAL INJURY OR DEATH TO THE USER AND/OR THIRD PARTIES. Prior to using ReadyShot, ensure that the firearm is not loaded with any type of ammunition. Ammunition may still load into the chamber while ReadyShot is properly installed. This does NOT mean that the firearm is safe to use for firing live ammunition.

ALWAYS DISASSEMBLE READYSHOT FROM THE FIREARM AFTER USE OF READYSHOT IS DISCONTINUED

Do not stow firearms while ReadyShot is installed. Failure to do so can result in costly delays in the event of an emergency.

LIMITATION OF LIABILITY

EXCEPT AS EXPRESSLY PROVIDED HEREIN, NOVEL ENGINEERING RAPID DESIGN SERVICES, INC., DBA READYSHOT, SHALL HAVE NO LIABILITY REGARDING READYSHOT, INCLUDING, WITHOUT LIMITATION COMMERCIAL OR OTHER LOSS BASED UPON NEGLIGENCE OR STRICT LIABILITY. IN NO EVENT SHALL NOVEL ENGINEERING RAPID DESIGN SERVICES, INC., DBA READYSHOT, BE LIABLE FOR ANY DIRECT, INDIRECT SPECIAL, INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES OF ANY TYPE OR CHARACTER INCLUDING, WITHOUT LIMITATION, COMMERCIAL AND/OR PERSONAL LOSSES AND/OR INJURY, EXCEPT TO THE EXTENT LIMITED BY 2-719 OF THE COMMERCIAL LAW ARTICLE OF THE ANNOTATED CODE OF MINNESOTA. FUTHER, NO SUCH LIMITATION SHALL APPLY TO THE EXTENT PROHIBITED BY APPLICABLE LAW.

PURCHASER’S EXCULPATORY CLAUSE

I acknowledge that I am responsible for using ReadyShot safely and legally and hereby agree to indemnify and hold harmless Novel Engineering Rapid Design Services, Inc, its owners, employees, agents and affiliates for any and all legal action arising from purchase, use or ownership of ReadyShot products and accessories, including, but not limited to any lawsuit or claim by myself or a third party for bodily injury, death or illegal activity. By purchasing this product, I, the Purchaser, indicate that I have read and understood the above liability waiver and that I agree to be bound by its terms. Terms and conditions are subject to change without notice.

WARRANTY DISCLAIMER

Except as expressly stated herein, Novel Engineering Rapid Design Services, Inc. makes no representations or warranties, either express or implied, of any kind with respect to ReadyShot. Except as expressly stated herein, Novel Engineering Rapid Design Services, Inc. expressly disclaims all warranties, express or implied, of any kind with respect to ReadyShot, including but not limited to, merchantability and fitness for a particular purpose.

LIMITED WARRANTY

Novel Engineering Rapid Design Services, Inc. warrants to the original purchaser that the ReadyShot product is free from defects in material and workmanship and agrees to repair or replace, at the exclusive discretion of Novel Engineering Rapid Design Services, Inc.’s, any defective ReadyShot product as follows from the original date of purchase:

30 DAYS – Parts and Labor

This warranty is not transferable and does not cover damage or liability caused by improper handling, improper maintenance, or the use of accessories and/or attachments not specifically recommended by Novel Engineering Rapid Design Services, Inc. for use with this product. Additionally, this warranty does not cover damage if the product is altered in any way which in Novel Engineering Rapid Design Services, Inc.’s judgment affects its condition or operation, or damage due to misuse, abuse, or accidental or unintentional acts by the user. Warranty does not cover batteries or problems arising from faulty batteries. For warranty service, carefully package the unit along with dated proof of purchase and an explanation of the problem, and mail it to: ReadyShot, 17764 Layton Path, Lakeville, MN 55044. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. NO CLAIMS FOR CONSEQUENTIAL OR OTHER DAMAGES WILL BE ALLOWED, AND THERE ARE NO OTHER EXPRESS WARRANTIES EXCEPT THOSE EXPRESSLY STIPULATED HEREIN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSION MAY NOT APPLY TO YOU.

GUNSHOT NOISE DISCLAIMER

ReadyShot has the capability to make a “gunshot” sound when the product is used which can be amplified through an audio receiver and project the sound through a speaker system. Depending on the decibel level, this could potentially trigger a gunshot detection system. Gunshot detection systems use acoustic sensing technology to identify, discriminate, and report gunshots to the police within seconds of the shot being fired. A gunshot detection system is comprised of sensors to detect the sound of a gunshot, transmitters to send a message to the police dispatch center, and a computer to receive and display that message. NOVEL ENGINEERING RAPID DESIGN SERVICES, INC. SHALL NOT BE RESPONSIBLE FOR ANY TRIGGERING OF A GUNSHOT DETECTION SYSTEM WHICH DIRECTLY OR INDIRECTLY RESULTS FROM THE USE OF READYSHOT. When using ReadyShot in connection with audio equipment, always obey local noise ordinances.

MAGNET DISCLAIMER – Gun Kit Only

WARNING: This product contains (a) small magnet(s). Swallowed magnets can stick together across intestines causing serious infections and death. Seek immediate medical attention if magnet(s) are swallowed or inhaled. NOVEL ENGINEERING RAPID DESIGN SERVICES, INC. SHALL NOT BE RESPONSIBLE FOR ANY MISUSE, INGESTION OF THE MAGNETS OR DAMAGE WHICH DIRECTLY OR INDIRECTLY RESULTS FROM THE USE OF READYSHOT.

NEODYMIUM-MAGNET SAFETY – Gun Kit Only

The neodymium magnets are extremely strong, and must be handled with care to avoid personal injury and damage to the magnets. Fingers and other body parts can get severely pinched between two attracting magnets. Neodymium magnets are brittle, and can peel, crack or shatter if allowed to slam together. Eye protection should be worn when handling these magnets, because shattering magnets can launch pieces at great speeds. The strong magnetic fields of neodymium magnets can also damage magnetic media such as floppy disks, credit cards, magnetic I.D. cards, cassette tapes, video tapes or other such devices. They can also damage televisions, VCRs, computer monitors and other CRT displays. Never place neodymium magnets near electronic appliances. Children should not be allowed to handle neodymium magnets as they can be dangerous. Small magnets pose a choking hazard and should never be swallowed or inserted into any part of the body. Never allow neodymium magnets near a person with a pacemaker or similar medical aid. The strong magnetic fields of the magnet can affect the operation of such devices. Neodymium magnets should never be burned, as burning them will create toxic fumes. Like any tool or toy, neodymium magnets can be fun and useful, but must always be treated with care.

BATTERY GUIDELINES/REPLACEMENT AND SPECIFICATIONS – Gun Kit Only

Batteries typically last over 4 hours of actual “ON” time under normal intermittent use. If the laser becomes dim or fades, replace batteries.

ReadyShot uses commonly available CR2032 lithium-ion coin batteries. To replace batteries:

1. Open the magazine by removing the screw that holds the two halves together.
2. Remove the two batteries while taking care to not disrupt other components of the circuit board.
3. Install new batteries with the positive (+) polarity side up.

BATTERY SAFETY AND DISPOSAL

Batteries lodged in the esophagus should be removed immediately. Leakage, chemical burns and potential perforation can occur within hours of ingestion. Seek medical attention immediately. Have physician call the NATIONAL BATTERY INGESTION HOTLINE for advice and follow-up (202)-625-3333) collect day or night. Do not expose the battery to excessive heat such as direct sunlight, fire, or the like.

Dispose of batteries in accordance with the laws and regulations in your area governing disposal of such cell types.

Information – FCC Testing In Process

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

ReadyShot Gun Insert Kit:
FCC ID YCYRSMGZ1

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

ReadyShot Target:
FCC ID YCYRSTGT1

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE from ReadyShot –

The ReadyShot Gun Insert Kit is designed to be used either with or without the ReadyShot Target; however, using the ReadyShot Target may enhance your practice experience. Please review our informational videos at www.ReadyShot.com.

We are continually working to improve the ReadyShot training experience and would appreciate hearing from you regarding your feedback and ideas. See the back of this page for assembly and usage instructions.

Thank you for choosing ReadyShot!

ReadyShot Gun Insert Kit – Semi-Auto Polymer Frame Pistol

NOTE: The ReadyShot® Gun Insert Kit was developed to accommodate those gun owners who would like to dry fire practice in their own home, with their own gun, with enhanced laser feedback. The ReadyShot Gun Insert Kits are available for numerous pistol brands and models. Please see www.readyshot.com for more information.

GETTING STARTED

UNPACKING

Check that you have the following items:

- ReadyShot Carry Pouch
- ReadyShot Magazine with Base
- ReadyShot Protective Sleeve
- ReadyShot Circuit Board and Wire
- ReadyShot Laser
- Package of Two Batteries
- Package of Two Magnets
- Package of Adhesive Dots



ASSEMBLY

The entire process of assembling the ReadyShot Gun Inserts into your handgun will not take more than a few seconds. In order to successfully assemble the ReadyShot Gun Kit and avoid frustration, **it is very important to FIRST read through all of the instructions.** The picture above shows proper alignment of the magazine components as they are assembled properly.

1) As always, **remove your firearm’s magazine** and check the chamber to ensure the gun is unloaded and safe. Check again and then check again.

2) Pull the slide to the rear and lock it open.

3) First time use only – Install the batteries. Gently slide the magazine base off of the magazine. To do this, the power button may need to be loosened up a bit by loosening the nut holding the power button to the base. The circuit board will remain attached to the base.

- Carefully grasp the black Protective Sleeve and pull it out of the bottom of the magazine.
- Gently slide the Circuit Board out of the Protective Sleeve.
- Insert the two supplied CR2032 batteries, +/-positive side up. CR2032 batteries are sold at most stores. Please note that the Circuit Board inside the magazine must be positioned properly in order for the Circuit Board to be able to sense a trigger pull. **Please follow the directions precisely.** Also, handling the Circuit Board should be done with caution, trying to hold it by the battery holder with minimal contact to any other components.



- With the ReadyShot Protective Sleeve facing up (as shown below), slide the Circuit Board into the ReadyShot Protective Sleeve (again, with batteries facing up and wire facing to the left of the ReadyShot sleeve).



- With the ReadyShot Protective Sleeve logo facing up (see picture above), and the magazine positioned with the front of the magazine facing you, **slide the ReadyShot wire into and through the base of the magazine** (from right to left) and carefully slide the Protective Sleeve into the magazine until the on/off button is slightly protruding from the magazine base.
- **Slide the magazine base onto the magazine and tighten the bolt holding the power button.**



4) Insert the long flexible wire (attached to the magazine) into the bottom of the grip and up through to the chamber. Using your finger, gently guide the wire through the chamber and into the barrel.

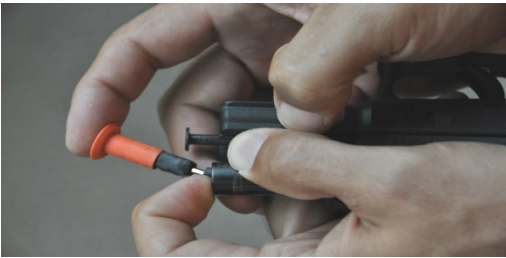


While continuing to slowly guide the long flexible wire through the gun’s barrel, **insert the magazine further into the grip of the gun.**



5) NOW YOU MAY CLOSE THE SLIDE.

6) Attach the laser to the wire sticking out of the muzzle. *TIP: Gently holding the plug against one side of the muzzle allows for efficient attachment of the laser. You should feel the laser insert click into place on the wire plug.*



7) Gently push and twist the laser into the muzzle. DO NOT jam the laser insert into the muzzle. Push it in far enough that it is secure, but so that it still twists and allows you to push slightly more on one side as necessary to adjust the alignment of the laser.

8) Place the shiny side of the magnet on the backside of the trigger, with the sticker side visible and facing the magazine. Note: A spare magnet is also included for your convenience. Please store it in a safe place away from children and animals. *TIP: We have found that some pistols have been manufactured such that the magnet does not adhere to the trigger. If needed, adhesive dots have been included in your packet and should be applied to the shiny side of the magnet. The adhesive dots are removable.*



9) Ensure the trigger is in its most forward position and THEN push the button on the bottom of the magazine to turn on the power. When you first push the button, you should see a 0.1 second laser pulse. If you inadvertently push the button during assembly, you will not see a laser pulse at activation. Pushing the button a second time will reset the magazine. After 11 minutes of inactivity, the Gun Insert Kit will power off automatically.

10) Now fully squeeze the trigger to produce a 0.1 second laser pulse each time. Pulling the trigger faster than three times per second may result in failure-to-fire once in a while.

11) Every laser fits uniquely to each handgun. For **alignment of the laser with your handgun**, test the laser with your handgun sights. To adjust, twist the laser slightly or push on it on one side or the other, test and repeat. Once you find the optimal alignment for your handgun, make a small pencil mark on the sticker at the end of the laser, indicating the north/south direction. This will allow for rapid alignment in future practice sessions.



Fully Assembled

DISASSEMBLY

1) Unplug the laser from the barrel.

2) Open the slide and lock it open. Remove the magazine by depressing the magazine catch and extracting the magazine and attached wire. You may have to gently wiggle the magazine at the end of the process to help the long flexible wire clear the chamber.

3) There is no harm in leaving the magnet on the gun’s trigger, but you can easily remove it if you prefer. Make sure you store it in a safe place, away from children and animals, and be careful that it doesn’t “wander” toward metal. It is a relatively strong magnet.

TROUBLESHOOTING

- If the gun sits for more than 11 minutes, the laser will “time out” and automatically shut off. To turn it back on, make sure the trigger is in its most forward position, and push the button on the bottom of the magazine.
- If the laser is false firing (firing at times when you have not pulled the trigger), try first ensuring the trigger is fully forward and the magnet is properly attached to the rear of the trigger. Then push the button on the bottom of the magazine. Holding the button in for one or two seconds will reset the magnet’s position.
- If the laser does not pulse, check to see if the laser is fully connected to the wire. The laser insert jack can be very tight-fitting on the wire plug.
- If the laser still did not pulse, the batteries might need to be changed. If you need more batteries, you can purchase CR2032 at most any retail store. For your convenience, the ReadyShot magazine batteries are also used in many Crimson Trace® laser sights.
- To better align the laser with the sights, try rotating the laser insert. Also try gently pushing one side of the insert into the muzzle. This works best if the insert is not jammed hard into the muzzle, but instead is firmly pushed into place while still allowing a little wiggle room. Another trick is to put a piece tape on the high side of the laser insert.
- If the laser insert is jammed into the barrel such that it can’t be pulled out without possibly breaking, it is best to field strip the pistol and use something like a ball point pen casing or cleaning rod to push the laser insert out from behind.

BATTERY REPLACEMENT

Follow the directions in “Disassembly” and “3) Install the batteries”. With your thumb, press the lever on the battery holder to lift and remove the battery. Insert the new battery (positive (+) side up) under the lever tab and press the battery into the holder.

THANK YOU FOR USING READYSHOT!

Please note that we have included the original magazine parts for your use – should you so desire. Please refer to your manufacturer’s user manual for instructions on assembly and usage of your magazine.

Also, please handle your ReadyShot equipment as you would any electronic device. By doing so you should be able to practice with your ReadyShot system for a long time. Thank you.

ReadyShot®