

Approved by Director: Dr. Guy Vallaro

A. Purpose:

1. To provide an alternate method to test the operability of a firearm. By using the cotton box recovery trap, it is possible to capture a bullet from a firearm which was not able to be fired in the water recovery trap.
2. This recovery trap can be used in conjunction with the remote firing device or by conventional hand held or shoulder firing the firearm.

B. Responsibility:

1. It is the responsibility of the examiner to ensure the cotton box recovery trap is suitable for use. He or she must first check the device to ensure that there is an ample amount of cotton in the device and that it is packed properly for test firing.

C. Safety:

1. Appropriate hearing and eye protection must be used.
2. The examiner must consider the practicality and/or desirability of wearing some form of bullet resistant clothing or additional face shield at his or her discretion.
3. If another person is present during this process, this individual(s) will also take the same precautions of wearing eye and hearing protection.

D. Procedure:

1. Inspect the bullet trap to confirm that the cotton is packed extremely tight. Rotate the handle to pack the cotton more tightly if necessary.
2. Close the two lids on the top of the box.
3. Mist the first sections of cotton with water to eliminate the chance of the cotton catching on fire when the projectile and/or burning powders contact the cotton.
4. Have a fire extinguisher in close proximity to the trap in case it is needed.
5. Align the firearm in the shooting rest support on the front of the trap.
6. If the remote firing device is being used, align the device and the firearm so that the firearm is resting in the proper location on the shooting rest support on the front of the trap.

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7. Load the firearm with a cartridge and fire into the bullet recovery box.
8. Rotate the handle to loosen the compacted cotton.
9. Open the top lids of the box and check the cardboard witness panels until the area in which the bullet stopped is found. Remove that section of cotton and retrieve the bullet.
10. Replace the cotton, mark the witness panels, and repack the trap by turning the handle.
11. Close the lids.

E. Equipment:

1. Cyber National Cotton Box Bullet Recovery Trap
2. Cyber National Remote Firing Device
3. Indoor firing range
4. Fire extinguisher

F. References:

1. Cyber National Cotton Box Bullet Recovery Trap Operators Manual
2. Laboratory safety manual
3. AFTE procedures manual

G. Appropriate Appendices:

1. Appendix 1 -- Worksheets