

## Maintenance and Service



### Safety Cover (shooting port):

The shooting port safety cover should be inspected for wear before each use. Regular cleaning with soap and water is suggested. Do not use harsh detergents or petroleum solvent cleaners. Safety cover replacement: Remove hose clamp and slide cover off; slip new cover over tube; reinstall and tighten clamp securely.

### Cap Plug:

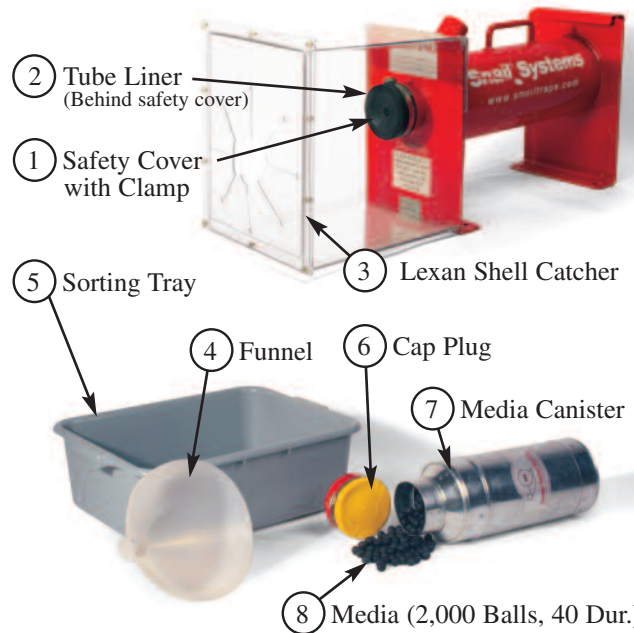
The cap, located on the top of the media canister, has a variable lifespan determined by the caliber of bullets being trapped. We suggest that the cap be inspected after each shooting cycle to determine when it is no longer able to prevent media from spilling out of the canister.

### Shooting Tube Liner:

Replace rubber liner as necessary. Lifespan will vary with usage.

### Media:

Media replacement will vary according to firearms usage. The media will degrade over time, as noted by fragmentation. It is advised to observe bullet collection point within the sorting tray and replace media when bullets begin to reach far end of canister, possibly compromising canister integrity.



### SRS Parts List for the Forensic Buddy

Number	Description	Part ID #
1	Safety Cover	710015
1	Clamp	030119
2	Tube Liner	190122
3	Lexan Shell Catcher	SC0201
4	Funnel	020101
5	Sorting Tray	020102
6	Cap Plug	710009
7	Media Canister	020108
8	Media (2,000 Balls, 40 Dur.)	710004

Parts can be ordered directly from our website, or call (413) 568-7001, ext. 4113.

Product (Model #)	L x W x H (Weight)	Trap Opening	Usage (FPE)
Forensic Buddy (FB)	34"x10"x14" (60lbs.)	3" Diameter	Bullet recovery for ballistic comparison (Up to 2000FPE <sup>†</sup> )
<b>Includes:</b> Clear Lexan shell catcher, sorting tray, funnel, media capsule, replacement plugs.			

<sup>†</sup>FPE (Foot Pounds of Energy) is based on commercially available ammo only. Weights and dimensions are appropriate. Materials and/or specifications subject to change without notification.

## The Forensic Buddy<sup>®</sup>



### Portable Bullet Recovery System for Ballistic Comparison

### Savage Range Systems

Shooting Ranges and Bullet Traps

800-370-0712  
www.SavageRangeSystems.com

## Unpacking and Setup



## Operation



## Bulletproof Your Testimony



Actual collected samples.



The Forensic Buddy® comes as a complete package with some minor setup required prior to use.

**CAUTION:** The following steps must be followed prior to initial operation to ensure the safety of the operator.

1) Remove Forensic Buddy® from shipping container and set on a sturdy workbench or tabletop. Please note the ideal height of unit should allow the operator's upper arm and forearm to form an approximate 90 degree angle when placing muzzle into shooting port. This position helps maintain control and alignment of firearm during use.

2) Due to the variety of mounting surface materials and dimensions found in user locations, unit is not packaged with bolt/screw fasteners. We suggest unit be secured to a sturdy, level platform through four (4) 3/8" holes in support legs.

3) Slide rear door up and remove. Remove media canister by pulling rearward. Remove cap plug and fill with media. Reinstall cap, reinsert canister, and replace door.

4) Check gas vent atop unit is clear.

5) Move or store all flammable materials at a safe distance from unit during operation.

**If you have not read the Unpacking and Setup section, please do so before continuing.**

1) Operator should have appropriate hand, eye and ear protection in place.

2) Apply safety mechanism on firearm, load ammunition and place barrel into shooting port, positioning muzzle as deeply into

device as reasonably possible. It is important to **maintain muzzle alignment level and straight for the purpose of discharging bullet directly down center of tube.**

3) Hold firearm securely and discharge when ready.

4) Remove firearm and place in 'safe' position.

5) Raise door, remove canister and remove cap plug.

6) Pour media slowly into collection tray to retrieve bullet.

7) After harvesting bullet, stand canister vertical and refill with media\* from tray using funnel supplied. Replace cap, and re- insert into body of unit until completely seated.

**Note:** All media must be returned to capsule. It may be necessary to shake and tamp capsule to allow media to settle.

\*The use of any deceleration media not approved by Savage Range Systems for this device will void any and all product warranties, and possibly endanger operator's safety.

### Additional Maintenance for Forensic Buddy®

The inside of the red housing should be wiped out periodically to prevent the buildup of green powder. We recommend cleaning the unit after 20 rounds. This frequency should be increased if you are firing large volumes of traditionally 'dirty' calibers.

After 50-60 rounds, we recommend washing the media in a bucket of D-Lead solution. This will remove any grit/powder that has been deposited on the media. After washing the media in the D-Lead, rinse in clean water and allow to dry. The D-Lead solution can be reused many times

When you need the best specimen for microscopic comparison, the Forensic Buddy® has no equal.

The specially engineered, patented bullet trap is designed to absorb the energy of a bullet, while the bullet's integrity remains intact. Whether used in the lab, or as a portable unit, the unique ballistic media carefully collects a specimen, resulting in a clean, accurate view of Land and Groove impressions. Exceptional specimens for microscopic comparison... to eliminate doubt. That's the Forensic Buddy.

### Key features:

- Portable, less than 60 lbs.
- Safe capture of all handgun projectiles less than 2000 FPE at the muzzle.
- Quick "shoot and collect" cycle less than 60 seconds.
- Exclusive ballistic material.
- Cost effective to purchase and maintain.
- Environmentally safe.

**Health and safety:** The act of firing a bullet into this device produces contaminants in the form of smoke vapor and solid particle residue. In order to provide a healthy environment for the operator, it is suggested that the area in which this unit is utilized has a continuous fresh air circulation of at least 30 cfm during operation. Alternatively a localized exhaust hood may be used. Consult with proper environmental health agencies in your area to determine best methods for your application.

**800-370-0712**  
**www.SavageRangeSystems.com**