



Instruction # 1062613
Rev. B

PERFECT SEAT HAND PRIMER

ASSEMBLY AND USE INSTRUCTIONS

For a list of contents see back

STOP!

If you have a problem with this product, **DON'T RETURN IT TO THE STORE WHERE YOU PURCHASED IT.** Contact customer service at...

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Or visit our website @ www.BTIbrands.com

NOT WARRANTED AGAINST MISUSE, ABUSE, OR COMMERCIAL USE.

Limited Warranty

Every Frankford Arsenal product is warranted to be free of defects in materials and workmanship for a period of one (1) year from the date of original purchase. Frankford Arsenal will, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with our Instructions. This warranty does not apply to normal wear or to items whose life is dependent upon their use and care. This warranty is in lieu of all other warranties, expressed or implied and releases Frankford Arsenal, its affiliates, and its vendors from all other obligations and liabilities.



WARNING



WARNING

WARNING! Before using this tool, read all instructions carefully, and follow all directions. Failure to do so could result in injury to yourself and/or others, damage to the product, and damage to property. If you have any questions while using or about using this product, please call our customer service line. This instruction manual contains important safety and operation information and should be kept as part of your reloading equipment. If it is lost, please contact us and we will be happy to send you a copy.

WEAR SAFETY GLASSES AT ALL TIMES WHEN HANDLING OR PRIMING CASES!

Primer detonation can occur if not used properly. To avoid serious injury or damage, always follow these safety instructions:

- Never attempt to seat or re-seat a primer in a loaded cartridge.
- Prime only empty cases.
- Before priming, ensure the case's primer pocket is sized properly. Minimum diameter is 0.173" for small primers and 0.2085" for large primers.
- On military spec brass or any cases that have crimped or staked primer pockets, be sure to completely remove the pocket crimp from the case before priming.
- Never quickly force a primer into a case pocket; apply slow and steady pressure. STOP if you encounter resistance.
- Do not attempt to modify the Perfect Seat Hand Primer in any way.
- Make sure the priming tool is clear of primer dust or other foreign objects before use.
- Always seat primers below flush or flush with the case head; protruding primers could be inadvertently detonated by shearing or crushing.
- Keep away from children and store device out of reach of children.



- Keep fingers and hands away from moving parts to avoid pinch points on the tool.
- Do not smoke while reloading or reload near sources of ignition, such as heat, sparks or flame.
- Keep components and tools neat, clean, and orderly.
- Do not use the Primer when tired, under the influence of alcohol or drugs, feeling ill, or any condition where you would not be alert and able to give undivided attention to the process.
- Handle primers with extreme care. Do not drop or subject to heat, flame, friction, electricity, percussion (hammering, pounding, dropping, etc.) or other impact.
- Do not use any primers that are corroded, damaged, deformed, or of unknown identity.
- Under no circumstance should you attempt to re-seat a high primer in a completed cartridge (case primed, power in the case, bullet seated to correct depth).
If a completed cartridge needs to have a primer set deeper, the bullet should be pulled and powder dumped before attempting to seat the primer deeper.
- Keep the case mouth pointed away from you and others while priming.

DIRECTIONS FOR USE

Determining the correct shell holder and priming pin

Use the shell holder identification card to determine the correct shell holder for the cartridge you're reloading. *For example, a .223 Remington uses the #4 shell holder.*

Once the correct shell holder has been selected, determine the correct size of primers you are using and choose the corresponding priming pin and sleeve. The sleeves are marked with SMALL and LARGE text on them to help identify them for use with SMALL Primers or LARGE Primers.

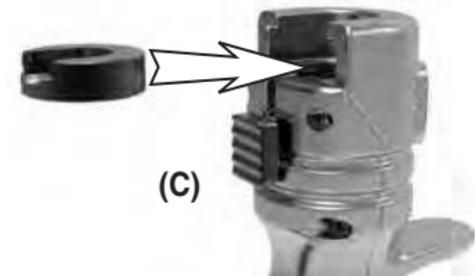
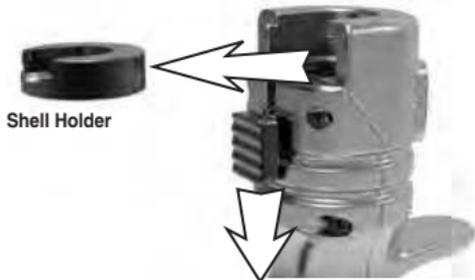
Changing the priming pin assembly

1. Push down on the thumb lever to compress the spring, allowing the shell holder to slide out of the primer body. **(A)**
2. Once the shell holder is free of the body, turn the body upside down and the priming pin assembly will drop out of the primer body. **(B)**
3. Remove the compression spring from the sleeve.
4. Insert the spring into the alternative sleeve.
5. Insert the correct priming pin into the sleeve with the spring.
6. Place this assembly into the primer body.
7. After the correct size priming assembly is in the primer body, use the thumb lever to push down on the sleeve and insert the appropriate shell holder into the body. **(C)**

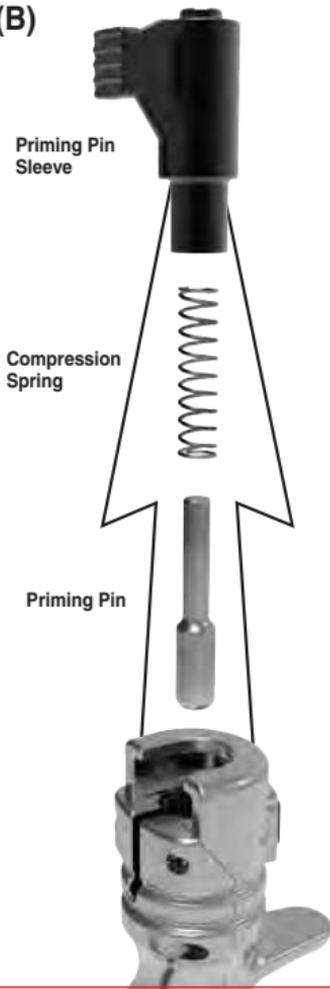
NOTE: It may help to hold the primer body horizontally while placing the priming pin assembly (pin, sleeve, and spring) into the body.

WARNING! Do not attempt to squeeze the handle when changing the priming pin assembly. This will put extra pressure on the spring and make the thumb lever more difficult to push down.

(A)



(B)



Loading primers into the tray

1. To load primers in the tray, remove the clear cover from the tray by sliding it diagonally along the direction indicated on the cover.

NOTE: Take care not to push too far to one side; doing so may break the flexible tabs on the cover which secure it to the tray.

2. To remove the cover hold the tray with the spout facing you and using your thumbs, lightly and evenly push the cover off of the tray. (D)
3. Place the tray upside down on an open package of primers, hold together and turn the assembly over.
4. Remove the primer packaging and gently shake the tray side to side or in a circular motion to correctly orient the primers to be positioned anvil-side up for feeding.
5. Replace the clear cover onto the tray, just as you removed it, gently guiding it into place where it will snap securely to the tray.

NOTE: The light gray lever in the tray is the primer block, which can be closed to prevent primers from flowing out of the tray during loading or storing.

6. Insert the loaded tray into the tray holder on the primer body and the tool is now ready to prime cases.



Primer Seating and Seating Depth

NOTE: After assembling and prior to inserting an empty case, squeeze the primer and actuate the pin. Make sure the pin is aligned in the shell holder prior to use.

1. Once loaded and assembled open the primer block on the tray (if closed) and tilt the Perfect Seat Hand Primer slightly to the left allowing a primer to flow out of the tray and into the tool body.
2. Insert an empty unprimed case into the shell holder.

NOTE: Keep the hand primer and case slightly tilted to the left and pointed away from your face or body.

3. With steady pressure, slowly squeeze the handle until you feel the positive stop, or until you feel the primer bottom out into the primer pocket. If the primer seating depth needs to be adjusted, please see **Adjusting Primer Seating Depth** below.

WARNING! in case of accidental primer detonation, it is important to keep the case mouth pointed away from you and others while seating the primer to prevent possible injury or damage.

WARNING! WEAR SAFETY GLASSES AT ALL TIMES WHEN HANDLING OR PRIMING CASES!

4. Remove the primed case from the shell holder and check the depth of primer.
The correct primer depth is between flush and 0.005" below flush of the case.

NOTE: If you don't have a precision measuring device, set the primed case down on a flat surface. The case should sit perfectly flat if the primer is flush with the case head. If the case rocks, the primer needs to be seated deeper. If the primer seating depth needs to be adjusted, please see **Adjusting Primer Seating Depth** below.

NOTE: If any unusual force or resistance is felt, **STOP IMMEDIATELY**, remove the tray and any primers from the tool, remove the case from the tool, and determine the cause.

WARNING! Under no circumstances should the handle be forced. If excessive force or resistance is noticed; this could result in injury to yourself and/or damage to the priming tool.

5. Insert a new unprimed case into the shell holder and repeat steps 1-4.
6. Once all priming is completed, return any unused primers to their original factory packaging for safety and to preserve their identity.

Adjusting Primer Seating Depth

If the depth of the primer needs to be adjusted, this is simply done by turning thumb wheel to the right to seat the primer deeper and to the left to seat it shallower. Each 'click' of the thumb wheel is approximately 0.001" of depth adjustment, but the depth should be checked after final adjustment.

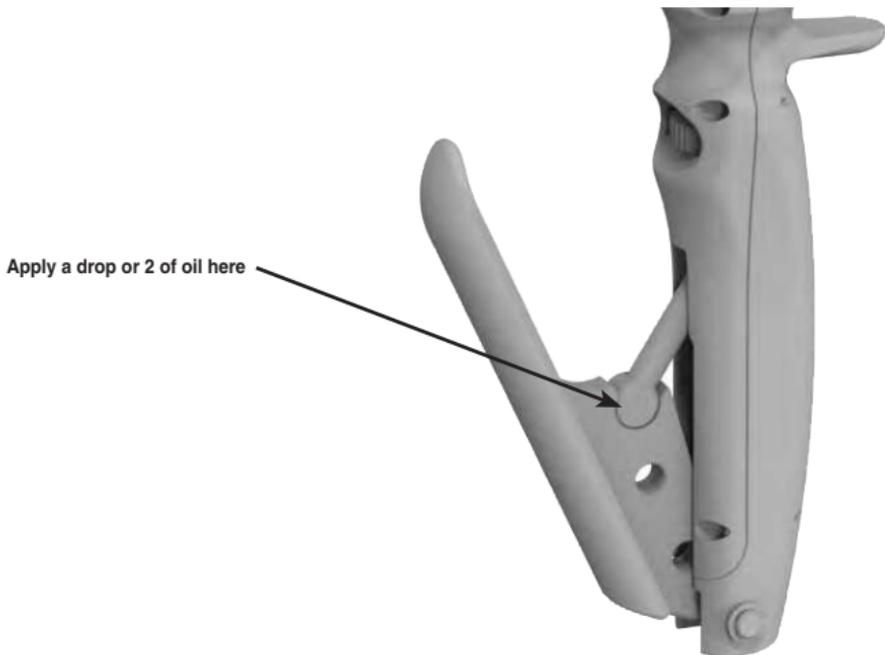


NOTE: The primer seat depth should be rechecked if you change brand or lot of brass, as there can be variances in the thickness of the rim, which will affect the primer seating depth.

Care and Maintenance

Your Perfect Seat Hand Primer only requires very minor maintenance to keep it operating smoothly and safely. After priming approx. 500 cases, clean the primer tray to prevent buildup of primer dust. When necessary, apply a small drop of light oil on the pivot connection point between the connecting rod and handle.

NOTE: Oil can contaminate primers and cause misfires, so use sparingly and with care.



List of contents

1 Perfect Seat Hand Primer

1 Primer loading tray with lid

12 shell holders

1 Small primer pin

1 Small primer pin Sleeve

(Small primer pin, primer pin sleeve, and compression spring pre-loaded into Perfect Seat Hand Primer)

1 Large primer pin

1 Large primer pin sleeve

1 Compression spring

1 Plastic storage case

1 Shell holder chart

1 Instructions

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