

M-Pro7 Gun Cleaner Secrets

Lead Fouling Removal Lead fouling is very difficult to remove. Sometimes hours of scrubbing and scraping will still not remove lead from the bore. If you have cleaned properly using M-Pro7 cleaners and still have lead fouling follow these simple steps:

STEP 1 Spray M-Pro7 Gun Cleaner (or Bore Gel) down the bore and wait 5 minutes.

STEP 2 Take a small dime or quarter size piece of a stainless steel camp pot scrubber (which looks like shaved, curly cued stainless steel) and wrap it around your metal brush. This is completely safe and will not scratch the bore.

STEP 3 Run the brush and pot scrubber down the bore 5 or 6 times. 99 times out of 100 the lead will come right out. If not, repeat the process.

Lead Removal in Compensator Lead bullets cause lead fouling in multi-ported compensators and this is difficult to remove. Using the cleaner as directed enables these deposits to be completely removed with toothpicks and cotton swabs. M-Pro7 Gun Cleaner will keep the compensator clean and operating at full efficiency longer with less effort. Subsequent lead removal becomes easier with regular use.

Copper Fouling Removal At bullet velocities under 900 m/s (approx.), copper will be removed the same as lead fouling. However, at higher velocities there is a "metal-to-metal" adhesion or bonding between the copper and the bore steel.

Perform the M-Pro7 Gun Cleaning Process once or twice to begin. Then use an ammonia-based copper solvent as directed to corrode the copper out of the bore. M-Pro7 will remove the top layer of carbon from the bore allowing the ammonia solvent to work in half the time or less. All ammonia-based cleaners can cause corrosion and pitting. Use adequate ventilation and safety precautions, If not completely removed, the ammonia can cause crystals to form, which can attract water and expand into the rifling causing microscopic stress fractures and corrosion. After the copper removal, follow the M-Pro7 Process 2 or 3 more times. Used correctly, the cleaner will completely remove all traces of the ammonia. In addition, the bore conditioning capabilities will help reduce future fouling.

Rust Prevention M-Pro7 Gun Cleaner and Bore Gel completely strip a firearm of any oil or grease so it is important to re-oil completely after cleaning (see M-Pro7 Gun Oil and M-Pro7 CLP). The gun cleaner will also remove light rust. Just spray it on, let sit for 2 minutes and lightly brush with a nylon or bronze bristle brush.

Your M-Pro7 Dealer:

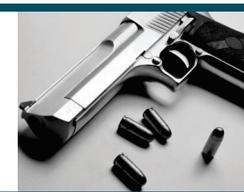
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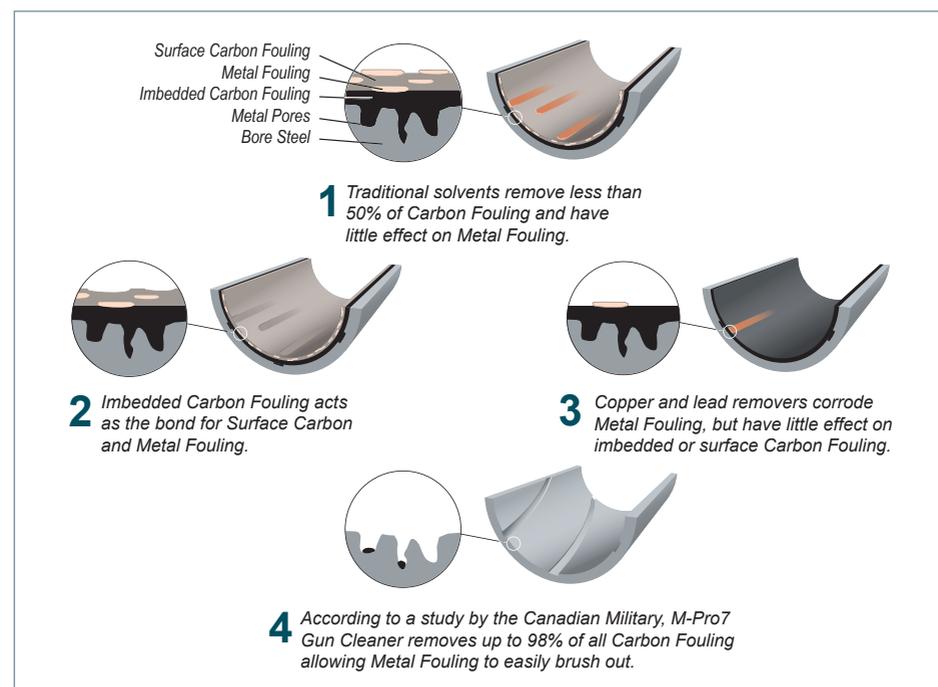


M-Pro™ 7



A complete cleaning system, for on-target performance M-Pro7 was originally designed for the F-16 aircraft. The M-Pro7 Gun Care Products cleans and conditions guns better and faster than anything else without the use of hazardous ingredients and without foul odor. A firearm treated with M-Pro7 is cleaner than when it shipped from the factory and it is safe to use on all handguns, rifles, shotguns, and more.

The M-Pro7 Gun Care System consists of M-Pro7 Gun Cleaner, M-Pro7 Military Grade Cleaner Lubricant Protectant (CLP), M-Pro7 Gun Oil, M-Pro7 Bore Cleaning Gel, M-Pro7 Competition Grade Cleaning Patches and the versatile M-Pro7 Gun Cleaning Kits.



High performance and accuracy are crucial to serious shooters. M-Pro7 Products offer the most advanced technology for weapon care available today. Every time a weapon is fired, it is fouled with carbon, lead, copper or plastic. The carbon residue embeds itself deep into the pores of the bore metal and acts like glue attracting more fouling. Continuous firing layers more carbon, lead, and most copper fouling to the surface of the bore.

Clean Does Matter!

How to Clean with M-Pro7 Gun Cleaner

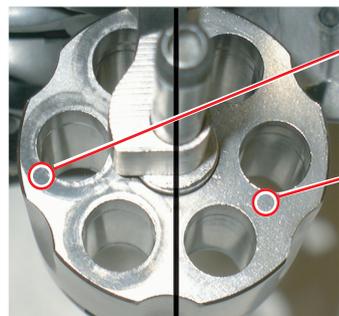
Always make sure the firearm is unloaded before cleaning!

EXTERIOR

Spray M-Pro7 Gun Cleaner on the entire firearm and brush with a nylon brush to remove exterior carbon deposits. You can also soak the entire firearm in the solution (see Ultrasonic or Dip Applications on Page 10). Wipe down with a dry cloth (use cotton swabs for hard to reach areas) and re-oil to protect the finish. Most major gun manufacturers have approved M-Pro7 Products for use on their finishes.

BORES

- Step 1** Spray M-Pro7 Gun Cleaner into the bore. For smaller diameter bores, swab with a patch thoroughly soaked with M-Pro7 Gun Cleaner. (For M-Pro7 Bore Gel, dip the brush and run through the bore several times). Make sure that the bore is completely coated. You can also plug and fill the bore.
- Step 2** Wait 1-5 minutes depending on fouling.
- Step 3** Run a bore brush through the full length of the barrel 2 or 3 times.
- Step 4** Run a dry cleaning patch down the bore. A jag or double patching is recommended to make sure the patch fits tightly. M-Pro7 Gun Cleaning Patches have ridges that expand into the rifling and are very aggressive on lead and copper fouling.
- Step 5** Repeat steps 1 - 4 four to eight times or until the bore is spotless and the patches are white. Even after 8 times, the patch may come out a very light gray. If there is no visible fouling, no further cleaning is necessary. The light gray material is microscopic carbon deposits actually being pulled out of the pores of the metal and does not have a significant impact on accuracy. In addition, it will be removed in subsequent cleaning until a point will be achieved where steps 1 - 4 will be repeated approximately four times and the patches will come out white.



The remaining visual carbon "staining" is the same imbedded carbon in the bore that acts as a bond for Surface Carbon and Metal Fouling.

This side was then cleaned with M-Pro7 Gun Cleaner.

Pictured is a cylinder face of a S&W .357 magnum revolver cleaned multiple times with several popular gun cleaning brands.

Note. Test before use because M-Pro7 Gun Cleaner can safely and instantly remove unprotected oil-based wood finishes, water-based paint/finishes and some "cold bluing".

How to use M-Pro7 Gun Oil

Recommended Use After cleaning, place one or two drops of M-Pro7 Gun Oil in/on any and all moving parts such as: bolts, triggers, firing pins, springs, guide rods, hammer, internal mechanisms, etc.

Slide Rails or Bolt Races Apply the oil at the beginning of each rail and cycle the firearm several times after re-assembly to distribute the oil. If you normally apply oil or protectant to the bore, place several drops on a patch and run it through the bore twice to evenly spread the oil for protection.

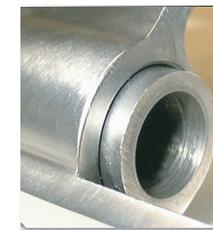
Rust Protection Apply a thin layer of oil to all exterior firearm surfaces. Only a thin layer of oil is needed for protection from friction, wear, and corrosion. In addition, the extremely low evaporation rate will insure the firearm will be protected for much longer than the average gun oil (up to 2 years).

M-Pro7 Weapon Care Technology

Bore Conditioning The first cleaning with M-Pro7 Gun Cleaner may take a bit longer since it removes carbon that has been in the bore since the first test fire. Continuous firing bonds carbon, lead and most copper fouling to the bore metal in layers (see picture A on page 1). No other cleaner can remove these stubborn layers of carbon and metal fouling. Therefore, it takes some time and multiple applications to penetrate these old layers and remove them permanently. The key is dwell time and agitation. The longer it dwells, the less agitation is required. Typically, 5-10 minutes is enough. Once these layers are removed, subsequent cleaning time and effort can be reduced by up to 80%. With a surface completely devoid of carbon deposits, it takes longer for fouling to build up and it does not adhere as easily to the bore.

BEFORE

A revolver forcing cone cleaned with a very popular gun cleaner.



AFTER

The same revolver forcing cone cleaned with M-Pro7 Gun Cleaner.

Stainless Steel & Nickel It can be frustrating cleaning the cylinder face, forcing cone and top strap because there are no cleaners that will remove the black carbon staining. Now you can remove it in 30 seconds with no abrasives! Just spray M-Pro7 Gun Cleaner on the carbon, let it sit for 5 minutes and then scrub with a stainless steel brush (tooth type) lightly for about 30 seconds. The results are visible immediately!

Firing Pin Chambers Try not to allow M-Pro7 Gun Cleaner or M-Pro7 Bore Cleaner to seep into the firing pin chamber. If it occurs, place a drop or two of M-Pro7 Gun Oil or CLP into the chamber. (If submerging completely in M-Pro7 Gun Cleaner, a full oil dip is recommended. See Ultrasonic and Dip Tank Procedures).