

M16-Series Rifle, M4/M4A1 Carbine...

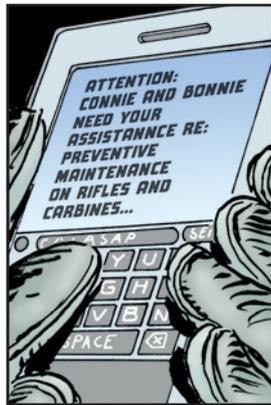
WE'RE GLAD TO SEE YOU OVER HERE IN AFGHANISTAN; MSG HALF-MAST. WE CAN REALLY USE YOUR HELP.

THAT'S FOR SURE! SOME TROOPS HAVEN'T REALLY USED THEIR M16S OR M4S SINCE BASIC TRAINING.

THEY'VE FORGOTTEN SOME NECESSARY PM. IT'D BE **GREAT** IF PS COULD REMIND THEM... GIVE THEM THE **WHOLE PM DEAL** ON RIFLES AND CARBINES.

THAT'S WHAT WE SPECIALIZE IN AT PS; **THE WHOLE PM DEAL!**

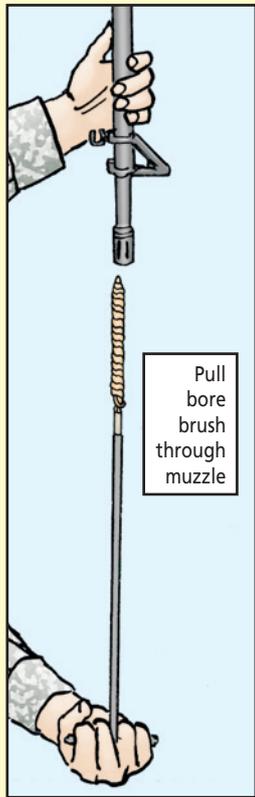
The Whole PM Deal



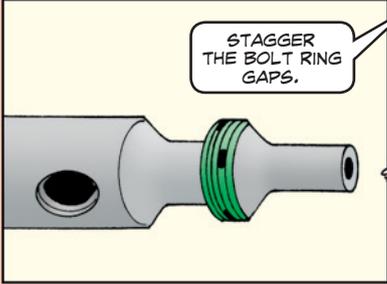
BORE
A good cleaning begins with the bore. Carbon quickly builds up there during firing. First swab out the barrel with a patch moistened with CLP to loosen carbon. Change the patch attachment to the brush and remove the rod's handle.

Drop the end of the rod without the brush in the chamber pointing down. Reattach the handle to the end of the rod sticking out the muzzle and pull the rod all the way through. Let the section with the bore brush turn as you pull it through. That way the brush bristles follow the rifling grooves. Don't pull the bore brush through a dry bore or reverse direction. That damages the brush.

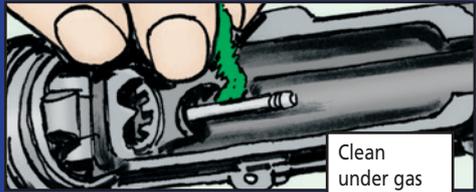
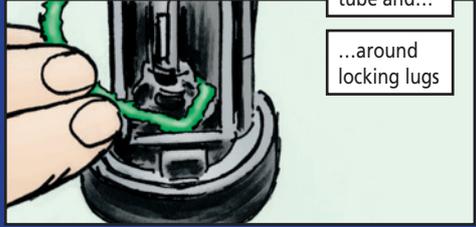
Repeat this brush process until all the carbon is gone, periodically running a patch moistened with CLP through the bore to help clean out the carbon.



BOLT AND BOLT CARRIER
Clean carbon from the bolt and bolt carrier with a worn bore brush, CLP, and a pipe cleaner. Use a pipe cleaner to clean out tight areas like inside the carrier key. Make sure the gaps in the bolt's gas rings are staggered. If they're lined up, too much gas escapes and the bolt won't be pushed back to the lock position. Stagger the gaps as necessary.


GAS TUBE AND LOCKING LUGS
If they get too gunked up, bolt action slows. Use your chamber brush to loosen carbon around the lugs. Then clean the lugs and under the gas tube with a pipe cleaner and CLP.

CHARGING HANDLE

If you don't clean the charging handle, eventually you can't charge your rifle or carbine. Pull out the handle from the receiver and clean it with CLP and a cloth. Use a pipe cleaner dipped in CLP to clean out the handle and receiver slots.



Don't forget charging handle slots

TAKEDOWN AND PIVOT PINS



CLP HELPS PIVOT AND TAKEDOWN PINS MOVE SMOOTHLY.



If the pins stick, you'll have trouble disassembling your weapon. Put a strip of CLP down each pin and work them in and out of the receiver until they move easily.

SLIP RING

If the slip ring collects too much sand, you'll have trouble putting on or taking off the handguards. Have a buddy hold down the slip ring with both hands while you work out sand with a dry pipe cleaner or toothbrush. Don't put CLP under the slip ring. Lube attracts more dirt.

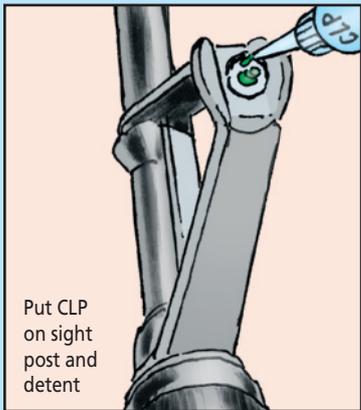


I'VE FOUND SOME GOOD INFO ON SLIP RINGS.

...AND I'VE GOT THE LOW-DOWN ON TRIGGER ASSEMBLIES.

FRONT SIGHT POST

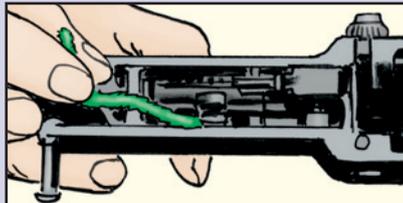
If the post sticks, you can't adjust it. There goes your accuracy. Clean around the post with a toothbrush. Depress the detent and give it a drop of CLP. Work the detent and post up and down until they move smoothly.



Put CLP on sight post and detent

TRIGGER ASSEMBLY

If the inner workings of the trigger assembly get too dirty, the trigger will bind. The best way to clean out the assembly is to use your own breath to blow out sand. Then put CLP on a pipe cleaner and gently clean out any remaining sand from the assembly.



Work pipe cleaner moistened with CLP around trigger assembly

BUTTSTOCK DRAIN HOLE

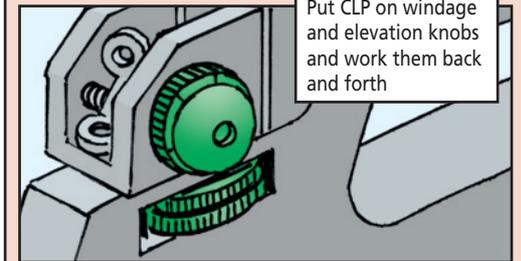
IF THE HOLE'S CLOGGED, MOISTURE COLLECTS INSIDE THE BUTT-STOCK.

... AND SOON CORROSION IS CHEWING UP THE LOWER RECEIVER. RUN A PIPE CLEANER THROUGH THE HOLE.



WINDAGE AND ELEVATION KNOBS

If the knobs stick, you can't adjust the rear sight. Put one or two drops of CLP in the hole in front of the rear sight aperture and on each knob. Turn the knobs until they move smoothly. Return them to their original positions.



Put CLP on windage and elevation knobs and work them back and forth

FORWARD ASSIST

If the forward assist won't budge, you may not be able to lock the bolt forward. Squirt one shot of CLP in the forward assist port inside the upper receiver. Run the forward assist back and forth until it moves smoothly.



Forward assist needs one shot of CLP

MAGAZINE

No matter how well you've taken care of your M16 or M4, you won't be doing much firing if your magazines are in bad shape. Take each magazine apart. But be careful not to separate the spring from the follower. If they come apart, you will need a new magazine.

Run clean cloth through tube until all dirt is gone



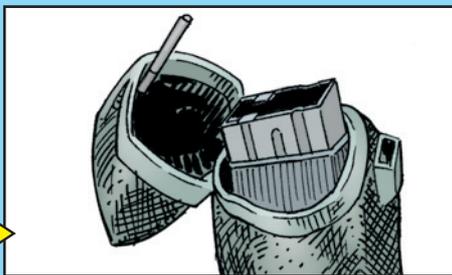
Wipe off dirt from the spring and follower. Lightly lube the spring.

Eyeball all seven magazines for dents, corrosion or bent feed lips. While loading, don't jam the feed lips against anything hard. That bends lips.

Never try to stretch the spring to make it work better. That just ruins the spring.

If you're not on the battlefield, don't leave magazines fully loaded all the time. That wears out the springs.

Keep magazines in their pouch



PM IN DESERT OPERATIONS

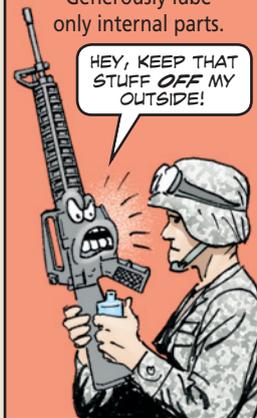
Clean your weapon **twice** as often.

I'M READY FOR ANOTHER CLEANING.



Generously lube only internal parts.

HEY, KEEP THAT STUFF OFF MY OUTSIDE!



Use the protective dust cap, NSN 5340-00-880-7666, the 30-round magazine pouch mentioned on page 32, and the M16 rifle cover, NSN 1005-00-809-2190, as much as possible to seal out sand.

IN A LOT OF CASES, WHAT YOU SHOULD NOT DO TO YOUR M16/M4 IS JUST AS IMPORTANT. SOME SOLDIERS WANT TO DO MORE FOR THEIR WEAPONS THAN THEY'RE TRAINED TO DO. PROBLEMS RESULT.

Pay special cleaning attention to surfaces of moving parts, like the bolt carrier.



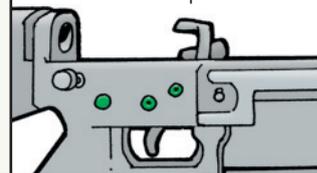
Wipe down the outside of your weapon as much as possible.



DON'T DISASSEMBLE THE LOWER RECEIVER AND TRIGGER ASSEMBLY FOR BETTER CLEANING!

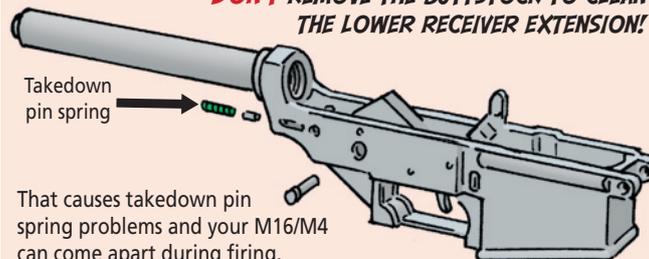
That enlarges the receiver pin holes and they can't hold the pins. If the trigger assembly is reassembled wrong, the M16/M4 fires in the automatic mode when it's not supposed to.

Leave receiver pins alone



DON'T REMOVE THE BUTTSTOCK TO CLEAN THE LOWER RECEIVER EXTENSION!

Takedown pin spring



That causes takedown pin spring problems and your M16/M4 can come apart during firing.

DON'T TAKE OFF THE HEAT SHIELDS FOR CLEANING!

That ruins the hand-guards.

DESERT OPS PRESENT DIFFERENT CHALLENGES FOR YOUR M16 AND M4. BECAUSE OF THE HEAT AND SAND, YOU NEED TO FOLLOW THESE RULES...

DON'T REMOVE THE COMPENSATOR TO CLEAN THE BARREL!

If the compensator is not tightened right when it's reinstalled, then it can vibrate off if it's too loose. But if it's screwed on too tight, the barrel threads are ruined and so is the barrel.

DON'T REMOVE THE SELF-LOCKING SCREW IN THE BUTTSTOCK!

Once the self-locking screw is removed, it no longer stays tight and the buttstock can turn during firing.



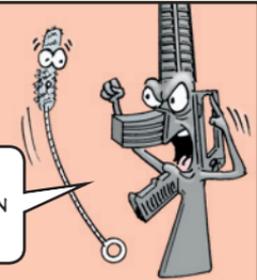
DON'T USE STUFF LIKE OVEN, TOILET BOWL, CARBURETOR OR KITCHEN CLEANERS, SHAVING CREAM OR PRODUCTS LIKE SIMPLE GREEN™.

STICK TO TOILETS, PAL!



DON'T USE THE BORE BRUSH ON THE OUTSIDE OF THE WEAPON!

YOU'LL RUIN MY PROTECTIVE FINISH! AND THEN HERE COMES CORROSION!



THAT ABOUT COVERS MIG/M4 PM.

LET'S GIVE HALF-MAST THE WORD.

WHOLE PM DEAL READY TO GO, HALF-MAST.

THE INFO ON THE MIG/M4 YOU ASKED FOR IS READY TO GO.

NOW IT'S YOUR JOB TO MAKE SURE YOUR TROOPS READ IT.

WE WILL. THEIR LIVES DEPEND ON IT.