

PM Is the *Start* of a Beautiful Friendship

AS THE OPENING LINES OF THE FAMOUS POEM "MY RIFLE," BY MG W.H. RUPERTUS, SAY...

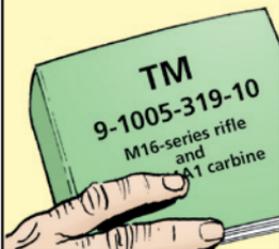


MY RIFLE by MG W.H. Rupertus
*"My rifle is my best friend. It is my life.
I must master it as I must master my life.
My rifle without me is useless.
Without my rifle, I am useless."*



HOW CAN YOU **BEST** TREAT YOUR BEST FRIEND?

FIRST BY CAREFULLY FOLLOWING THE INSTRUCTIONS IN THE M16-SERIES RIFLE AND M4/M4A1 CARBINE'S TM 9-1005-319-10.



THAT'S YOUR BIBLE FOR CARE.

BUT WE HAVE A FEW OTHER WAYS TO HELP YOUR M16 AND M4/M4A1...



PS MORE

What Not To Do

EVERY SOLDIER RUNS INTO KNOW-IT-ALLS WHO THINK THEY KNOW BETTER WAYS TO TAKE CARE OF THE M16/M4.

DON'T LISTEN TO THEM. HERE'S WHAT NOT TO DO...



Don't take apart the trigger assembly. You're not trained to do that. If the trigger assembly is put back together wrong—and it's easy to do it wrong—you could have a runaway weapon. To make sure the trigger is working right, it's a good idea to do the function test in WP 0008 of TM 9-1005-319-10 before you fire.



Don't substitute paper towels or old rags for cleaning patches and new cleaning rags. They shred and clog areas like the buffer tube.

Don't use the firing pin for cleaning. That blunts the firing pin's tip, which means it probably won't ignite the cartridge.



Don't use oven or carburetor cleaner or cleaning pads. They clean so well they take the weapon's finish right off.

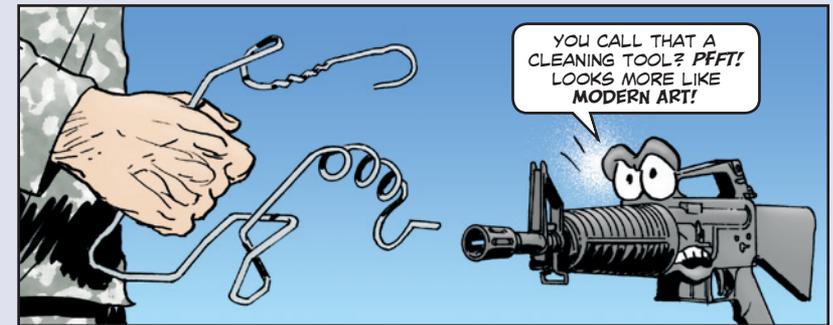


Don't remove the buttstock to clean the lower receiver extension. If you damage the takedown pin spring, your M16/M4 could come apart during firing.

Don't use cotton-tipped swabs. The cotton comes off and plugs things like the carrier key.



Don't use homemade cleaning tools. They scratch off the protective finish.



Don't remove the self-locking screw in the buttstock. Once the screw is out, it's no longer self-locking. The buttstock can turn while you're firing.

Don't use the bore brush on the outside of your M16/M4. It will rub the protective finish right off.

Don't use lightweight oils. They evaporate quickly and have a low flash point.



PS MORE

What You Should Do

OF COURSE, FOLLOW THE COMPLETE CLEANING PROCEDURE IN TM 9-1005-319-10.

BUT PAY SPECIAL ATTENTION TO THESE CRITICAL ITEMS...

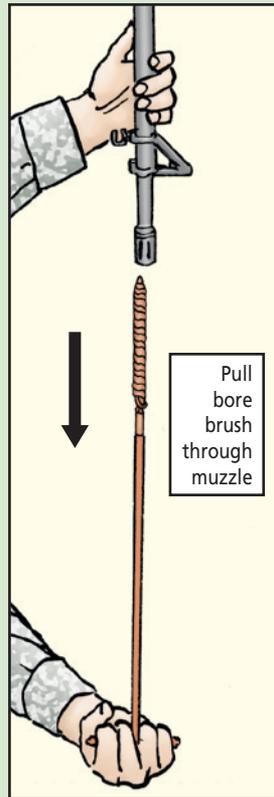


Bore

A good cleaning begins with the bore. Carbon builds up there during firing. Swab out the barrel with a patch moistened with CLP to loosen the carbon.

Drop the end of the cleaning rod without the brush in the chamber end with the barrel pointing down. Attach 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.

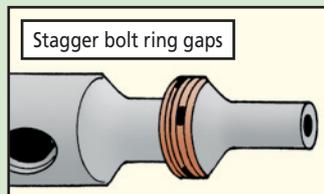
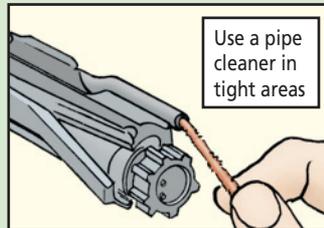
Repeat this process until all the carbon is gone, periodically running a patch moistened with CLP through the bore to loosen the carbon. Don't pull the bore brush through a dry bore or reverse direction. That damages the brush.



Bolt and Bolt Carrier

Clean carbon from the bolt and bolt carrier with a worn bore brush, CLP and a pipe cleaner. Use the pipe cleaner to clean out tight areas like inside the carrier key.

Make sure 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 locked position. Stagger the gaps if necessary.



Charging Handle

If you don't clean the charging handle, eventually you'll have trouble charging. 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.



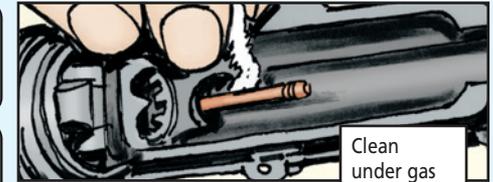
Slip Ring

If the slip ring collects too much dirt, 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 any sand or dirt with a dry pipe cleaner or toothbrush. Don't put CLP under the slip ring. Lube attracts more dirt.

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 CLEAN UNDER THE GAS TUBE WITH A PIPE CLEANER AND CLP.



Trigger Assembly

If the inner workings of the trigger assembly get too dirty, the trigger binds. The best way to clean out the assembly is to put CLP on a pipe cleaner and gently clean out dirt. Shooting low-pressure air—not high-pressure—in the assembly is also a good way to blow out sand.



Work pipe cleaner moistened with CLP around trigger assembly



Takedown and Pivot Pin

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

CLP helps pivot and takedown pins move smoothly



Buttstock Drain Hole

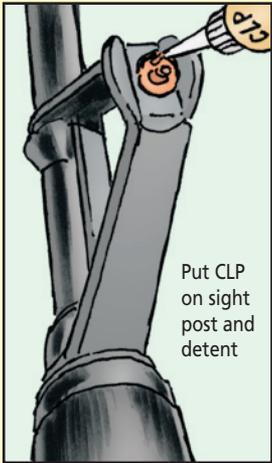
If the hole's plugged, moisture collects inside the buttstock and soon corrosion is chewing up the lower receiver. Run a pipe cleaner through the hole.

Run pipe cleaner through drain hole



Front Sight Post

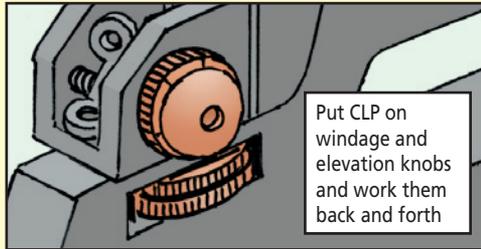
If the post sticks, you can't adjust it. That means you could miss what you're shooting at. Clean around the post with a toothbrush. Depress the detent and give it a drop of CLP. Work the detent and post up and down until they move smoothly.



Put CLP on sight post and detent

Windage and Elevation Knobs

If the knobs stick, you can't adjust the rear sight. Put a couple of drops of CLP on each knob and 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's moving smoothly.



Forward assist needs one shot of CLP

Magazine Help

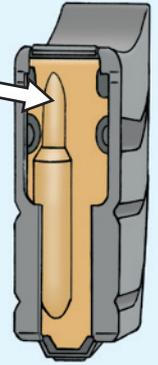
A MORE RELIABLE MAGAZINE FOR THE M16 AND M4/M4A1 HAS BEEN AVAILABLE FOR SEVERAL YEARS.

IT HAS A REDESIGNED FOLLOWER AND A STRONGER SPRING THAT PROVIDES GREATER RELIABILITY AND FEWER MALFUNCTIONS.

YOU CAN ID THE NEW MAGAZINE BY ITS TAN FOLLOWER.

ORDER IT WITH NSN 1005-01-561-7200.

IT'S OK TO USE THE OLD MAGAZINES UNTIL THEY WEAR OUT. THEN ORDER THE NEW ONE.



EVERY ARMS ROOM SHOULD HAVE THE NEW TOOL FOR IDING BAD MAGAZINES.

IT COMES WITH NSN 5120-01-574-0036 AND COSTS LESS THAN \$25.

HERE'S HOW TO USE THE TOOL...

- Depress the follower with your index finger.
- Grip the base of the magazine tool with your other hand.
- Slide the curved channel of the magazine tool along the bolt catch cutout area of the magazine housing.
- Apply slight pressure to slide the tool through the feed lips. If the GO portion passes through the feed lips freely and the NO GO portion does not pass through the feed lips, the magazine is good to go.



Magazine is NO GO

BUT IF THE GO PORTION WON'T PASS THROUGH BECAUSE THE FEED LIPS ARE CRUSHED OR BENT INWARD OR THE NO GO PORTION DOES PASS THROUGH BECAUSE THE FEED LIPS ARE SEPARATED, THE MAGAZINE IS SHOT.

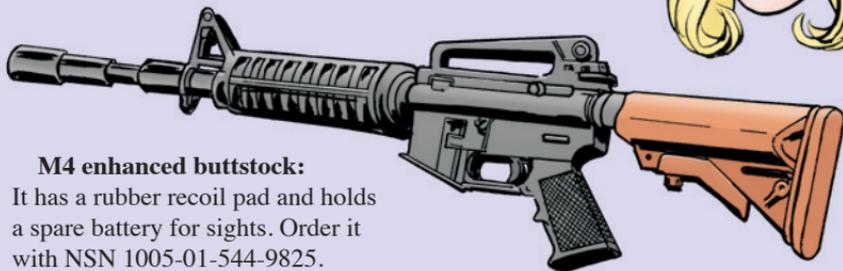
DON'T TRY TO FIX IT BY BENDING THE FEED LIPS. GET A NEW MAGAZINE.



New Stuff

YOU NOW HAVE **MORE CHOICES** FOR YOUR M16 AND M4/M4A1.

THESE ITEMS HAVE BEEN ADDED TO THE AAL FOR TM 9-1005-319-10.

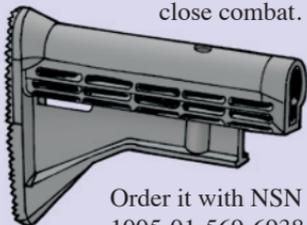


M4 enhanced buttstock:

It has a rubber recoil pad and holds a spare battery for sights. Order it with NSN 1005-01-544-9825.

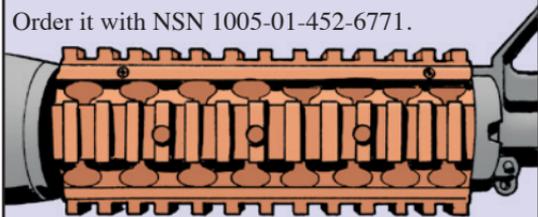
M16 hybrid buttstock kit:

The hybrid buttstock reduces the length of the M16 for improved flexibility while in confined spaces or close combat.



Order it with NSN 1005-01-569-6938.

M5 adapter rail system: The M5 can be installed on the M16A2 by replacing the handguard assembly. The M16A3 and A4 already have the M5. The M5 lets you mount a variety of optics and sights for better shooting. Installation instructions are in WP 0015 in TM 9-1005-319-23&P. Order it with NSN 1005-01-452-6771.



REMEMBER, THESE ARE AAL ITEMS. BEFORE YOUR WEAPON CAN BE TURNED IN, IT **MUST** BE RETURNED TO ITS ORIGINAL CONFIGURATION. THAT MEANS YOU NEED TO KEEP THE OLD BUTTSTOCK AND HANDGUARDS.

YOU AND YOUR RIFLE ARE A TEAM!

DO YOUR JOB SO IT CAN DO ITS JOB.

THAT'S WHAT BEING A TEAM IS ALL ABOUT.

