

SMALL CALIBER (5.56mm TO CAL .50) WEAPONS
HOT WEATHER/DESERT OPERATION

This abbreviated checklist is not to be used as a replacement for the 10 series Tech Manuals or any other PMCS guide.

MACHINE GUNS (5.56MM to CAL .50).

1. Inspect twice as often as normal. Keep weapon covered when possible.
2. Lightly lube internal working parts. Wipe lubricants from exposed surfaces.
3. If weapon stops firing, apply immediate Action Procedures (IAP). Do not open cover assembly. If cover assembly is opened on a hot weapon, an open-cover cookoff could occur.

M16 SERIES RIFLE AND M3 SERIES CARBINE

Note: For proper functioning of your M16 Series Rifle magazine in a hot, dry climate, keep the magazine and ammunition clean and free from lubricant. Sand and dust will stick to the lubricant and may cause feeding problems.

1. To remove sand, grit, and lubricant from the magazine, disassemble it and wipe the parts and the inside/outside of the magazine body with a clean, dry rag. Visually inspect magazine top and sides for dents or other damage. Reassemble the magazine and protect it from the environment with a magazine protective bag.

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M2 MACHINE GUN

1. If the machine gun has been fired, the bore must be immediately swabbed out with several patches saturated with RBC (MIL-PRF-372). Use dry patches to remove all solvent film.

MK19 40MM GRENADE MACHINE GUN (GMG)

WARNING – Any unusual occurrence during firing (i.e., excessive smoke, flash, loud or muffled report, malfunction or stoppage) warrants immediate inspection of weapon. Clear weapon, check barrel, feeder, bolt face, and receiver for damage and/or unusual debris. In any case mentioned above check the bore of the weapon. If a stuck ogive (round) is evident, refer to TM 9-1010-230-10, round removal tool procedures, for proper round removal procedures. All personnel within 310 meters of impact area must wear a helmet and body armor. All personnel within 20 meters shall also wear eye protection and single hearing protection. Sleeves shall be rolled down and gloves worn.

1. Apply LSA-T, LSA, or GMD lubricant generously (enough to spread with your finger) to the MK19 receiver rails and the mating bolt surfaces (LSA and GMD are alternate lubricants). Using improper lubricants can result in functioning problems.

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M16 SERIES RIFLE AND M4 SERIES CARBINE (continued)

2. Use a light coating of CLP on internal working (moving) surfaces only to prevent jamming due to fine sand.
3. If your rifle stops firing, apply Immediate Action Procedures (IAP). When applying the IAP, a case or cartridge should be ejected when the charging handle is pulled to the rear. If not, check the feed area/chamber for an obstruction. If your weapon will not fire after you perform IAP, apply Remedial Action if necessary and initiate troubleshooting procedures (TM 9-1005-319-10).

NOTE – The protective cap is approved for use on all M16 series rifles and M4 carbines. It fits over the compensator to keep dust, dirt, snow, water, ice, etc., from getting in the barrel. Using AAL equipment (i.e., protective cap, protective bag, protective cover) will protect your rifle/carbine. Use them whenever tactical conditions will allow. Clean barrel bore with swab and cleaning rod if necessary, before firing. When installed on the rifle/carbine, the weapon can be fired without removing the protective cap. The cap is not recovered if it is blown off. The protective cap will be blown off without interfering with the function/accuracy of the weapon. Protective cap is for field use only. DO NOT store weapon with the protective cap on the barrel. Storing with the protective cap in place may cause moisture to collect in the barrel.

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MK19 40MM GRENADE MACHINE GUN (GMG) (continued)

2. Be sure to pay close attention to temperature ranges for lubricants in any climate condition. At temperatures of +330F to +145 OF and in sand and dust conditions generously lubricate.

M130 FLARE DISPENSER

1. Inspect and clean, with a soft brush, the 30 contact pins and grounding springs of the M130 dispenser breech.

RANGER ANTI-ARMOR/ANTI-PERSONNEL WEAPON SYSTEM (RAAWS) 84MM M3 RECOILLESS RIFLE

1. Store RAAWS M3 in protective jump pack as much as possible to minimize exposing firing mechanism to sand.
2. Clean RAAWS M3 if exposed to blowing sand.
3. Do not remove dust caps from either end until ready for use.

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M249 SQUAD AUTOMATIC WEAPON (SAW)

1. Be sure weapon covers, such as the link ejection port cover, are closed when the weapon is not in operation.
2. A potential safety problem exists when sand or light grit gets between the top cover and indicator flag. Remove cartridge indicator flag from the weapon prior to using in a sandy/dusty environment.
3. You can use the muzzle cap authorized in the M16 Series Rifle TM on your M249 BMG. The cap is expendable.

M24 SNIPER WEAPON SYSTEM (SWS)

NOTE – Do not remove the trigger assembly from the receiver and barrel assembly.

1. When not being used, keep the M24 SWS in either the systems case or in the soft rifle carrying case to protect it against exposure to dust and sand.
2. Remove the receiver and barrel assembly from the stock assembly to remove dirt/sand/dust from the trigger assembly. Trick assembly may be cleared with either CLP or alcohol.
3. If alcohol is used to clean the trigger assembly, lubricate the trigger assembly afterward as needed.
4. Clean the optics carefully with the system's lens cleaning kit.

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M136 AT4 LIGHTWEIGHT ANTI-ARMOR WEAPON

WARNING - Exposure to sand by laying the weapon in the sand may cause the firing rod to stick, resulting in a misfire. This could lead to personnel injury or death.

1. Use the original plastic bag (barrier bag) used to pack the weapon to keep the sand out of the AT4's exterior moving parts that are listed in TM 9-1315-886-12.
2. If operating in sand without the original plastic bag, stand up exposed AT4 on the aft end instead of laying flat on the ground.
3. Ensure rubber dust seal at muzzle end is not broken. A broken dust seal will allow contaminant inside the tube, adversely affecting performance.

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