

**DIRECTOR GENERAL BORDER ROADS**  
**GENERALS MAINTENANCE INSTRUCTION NO. 93**  
**ON**  
**CARE AND MAINTENANCE**  
**OF**  
**RIFLE NO. 1 MARK 3**

**Introduction :-**

1. Regular maintenance and periodical inspection of small arms are essential to prolong its life and to keep it always in a battle-worthy condition and also to minimize inopportune breakdowns.

**Aim :-**

2. To enumerate the details of cleaning and maintenance of Rifle No. 1 Mark 3.

**Action By :-**

3. (a) User Units :-

(i) To clean small arms as per laid down periodicity.

(ii) To intimate repair work order immediately in accordance with HQ DGBR letter No. 16205/SA/DGBR/E4-REPAIRS dated 04 Jan 73.

(b) Base Workshops (GREF). To send the repair program for the forward repairs of the defective small arms of the Projects in situ by their armourer. The armourer of the Base workshops (GREF) will carry requisite spares, tools, and gauges for repairs as per defects intimated and will also advise user units on the maintenance and any discrepancies noticed during the course of repairs. For details, HQ DGBR letter No. 16205/SA/DGBR/E4 REPAIRS dated 04 Jan 73 refers.

4. **General Cleaning :-**

(a) Cleaning of Rifle Barrel – Equipment required

(i) Pull through

(II) Oil 'A'

(III) Flannelette

(IV) Chamber stick

To clean the barrel of rifle, take flannelette of 4" x 2" size and put in the centre hole of the pull through insert the pull through in rifle barrel from Breech side and the catch the barrel from the nose cap with left hand while keeping the toe butt on ground and bolt way to upper, wrap the pull through cord on the right hand or pull through weight. Now, keep eye on the barrel and pull through with one stroke

**ENSURING THAT THE CORD DOES NOT TOUCH THE BARREL, OTHERWISE THE CORD WEAR WILL DEVELOP AND AFFECT THE FIRING ON THE WEAPON.**

(B) Cleaning the chamber: - To clean the chamber of barrel take flannelette of 4" x 2" size and wrap it on the chamber stick. Then clean the chamber by rotating the chamber stick quickly.

(C) Inspection: - To inspect the barrel, keep the nose cap in front of your eye and see the barrel for its cleanliness repeat the same process for chamber.

(d) Use of Oil: - After ensuring that the barrel and chamber are thoroughly cleaned, apply oil for which use the flannelette in the pull through of 4" x 1 ½" size. Pull the oil-soaked flannelette through the barrel two times.

(e) Cleaning of other parts: - Clean the bolt way with chamber stick, clean the rifle from outside with the help of cloth rag. Clean all iron parts with oil-soaked cloth. Clean gas escape hole with pipe cleaner.

(f) Cleaning of Bolts :- When you are cleaning the bolt, keep in the following points in your mind :-

- (i) Do not use any hard object for cleaning the rifle and bolt.
- (II) Clean lower part of the extractor.
- (III) Clean long and short cam grooves.
- (IV) Apply oil on the bolt except in desert area, otherwise it will attract dust.

(g) Magazine :-

- (I) Clean the farm plate of magazine with oil-soaker cloth.
- (II) Do not open the magazine spring for daily clean
- (III) Whenever the magazine spring is opened, dry all the inside parts of the magazine.

(h) Cleaning of rifle after firing :- After firing, clean barrel with boiling water using cleaning funnel. Afterward the bore will be dried and oiled. **THE BARREL WILLHE CLEANED THOROUGHLY FOR SEVEN CONSECUTIVE DAYS. THE GAS FOULING FROM FACE OF HEAD BREECH BOLT WILL ALSO BE REMOVED.**

5 Precautions :-

- (a) Do not keep the rifle on rough ground.
- (b) Do not keep the rifle standing by wall, house or tree. It may fall and get damaged.
- (c) Always keep the rifle in rifle rack.
- (d) If a rack is not available, keep the rifle at a safe place.
- (e) Where the ground is wet then keep the rifle on the tarpaulin.