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	<p style="text-align: center;"><u>LESSON PLAN</u> <u>CHARACTERISTICS OF 7.62MM SLR, AMN, FIREPOWER, STRIPPING, ASSEMBLING AND CLEANING</u></p> <p>Period - One</p> <p>Type - Lecture/Practice</p> <p>Code - WT -1</p> <p>Term - I</p> <hr/> <p><u>Training Aids</u></p> <p>1. Rifle , Ground sheet.</p> <p><u>Time Plan</u></p> <p>2. (a) Introduction - 05 Min</p> <p>(b) STRIPPING, ASSEMBLING AND CLEANING OF 7.62MM SLR - 15 Min</p> <p>(c) CLEANING - 15 Min</p> <p>(d) Conclusion - 05 Min</p> <p style="text-align: center;"><u>CHARACTERISTICS OF 7.62MM SLR, AMN, FIREPOWER</u></p> <p>(a) 1. Caliber - 7.62 mm.</p> <p>2. Length</p> <p>(a) With short butt - 1126.50mm (44.35in).</p> <p>(b) With normal butt - 1139.20mm (44.85 in).</p> <p>(c) With long butt - 1151.90mm (45.35in).</p> <p>(d) Length of rifle with bayonet - 1397.00mm (55 in).</p> <p>3. Weight</p> <p>(a) Rifle only - 4.4 kg.</p> <p>(b) Rifle with full mag - 5.1 Kg.</p> <p>(c) Rifle with full mag and - 5.392 kg.</p> <p><u>bayonet</u></p> <p>(d) Bayonet - 0.283 kg.</p> <p>(e) Empty Mag - 0.255 kg.</p>

(f) Full mag - 0.709 kg.

5. Range

- (a) Effective range - 275 m (300 yds).
- (b) Sight range - 200 yds to 600 yds.
- 6. Sight Radius - 533.40 mm (21.77in).
- 7. No of Grooves - 06 (Six).
- 8. Pitch - 1 turn in 304.8mm (12 in).
- 9. Twist of Rifling - Right Hand.

Amn (Cart SA Ball 7.62mm)

- 10. (a) Calibre - 7.62mm.
- (b) Weight of cart - 23.07gm \pm 0.65 gm.
- (c) Length of cart - 71.16mm \pm .76mm (2.80-0.03 in).
- (d) Weight of bullet - 9.33 \pm 0.13 gm (144 \pm 2 gm).
- (e) Powder charge - NC Powder.
- (f) Muzzle velocity - 815m/2700ft \pm 30 ft/S (at 27.43m(90ft from muzzle).
- (g) Wt of cart case - 10.89 gm.
- (h) Wt of propellant charge - 2.85 gm.

4. Rate of Fire

- (a) Normal - 5 rds per min.
- (b) Rapid - 20 rds per min.
- (c) Faster than rapid - 60 rds per min.
- 11. System of operation - Gas operation.
- 12. Mag capacity - 20 rds.

(b) STRIPPING, ASSEMBLING AND CLEANING OF 7.62MM SLR

Introduction

1. Rifle is the basic weapon of an infantry soldier and therefore it is the responsibility of the soldier to keep the rifle in serviceable condition. Rifle is a reliable weapon. It fires accurately in all kinds of weather and terrain. It is a gas operated, air cooled and semi automatic weapon.

Preparation

- 2. (a) Ensure rifle is empty.
- (b) Put safety catch on 'S' and remove the mag.
- (c) Cock the rifle. Rifle should not be stripped without cocking. If rifle is stripped without cocking hammer plunger may fall down.
- (d) Press the stud and remove the bayonet, then remove the sling. Ensure

back sight is at the rear most position and leaf is lowered.

Equipment

3. Rifle, mag, bayonet, scabbard, sling, oil bottle, pull through, cleaning kit box and drill cartridge.

Sequence

4. Prior to stripping following measures are to be taken to check the chamber:-

(a) Take left foot to front, simultaneously throw the rifle in front of the body with right hand and hold hand guard with left hand and pistol grip with right hand, muzzle facing up at an angle of 45°.

(b) Ensure safety catch is on 'S' and cock the rifle. For cocking, open cocking handle and pull it behind. Secure holding opening catch with left hand and then take left hand on the hand guard.

(c) Turn the rifle to the left and check ejection slot for empty mag and chamber.

(d) On order, pull cocking handle to the rear and then leave it to move forward. Put safety catch on 'R' and press the trigger.

STRIPPING

5. (a) Gas Plug and Piston

(i) When cut portion of gas plug is facing upward- press the gas plunger with drill cart or combination tool and turn gas plug in clockwise direction so that gas plug is separated from the block.

(ii) When cut position of gas plug is facing downward- press the gas plug while opening to prevent gas plug from jumping and falling.

(iii) Remove piston and spring. Separate piston from piston spring by Turning movement of piston spring.

(b) Slide and Breach Block

(i) Hold hand guard firmly, muzzle facing downward.

(ii) Pulling body locking catch rearward and pressing butt downward, strip the rifle.

(iii) When rifle is stripped in this position do not press trigger without securing hammer to prevent trigger mechanism to develop fault.

(iv) Remove body cover by pulling it backward.

(v) Hold return rod and pull backward. To prevent breach block from

falling keep your finger underneath.

(vi) Keeping return rod towards own side, turn slide upside down. Fit the breach block to the slide. With the help of right hand fingers, lift breach block from front side and separate breach block while pressing rear part of the firing pin with thumb.

(c) **Firing Pin and Extractor**

(i) While pressing rear portion of firing pin, remove firing pin from returning pin. Remove the firing pin.

(ii) Fix combination tool pin in the plunger hole of the rear of Extractor. Hold breach block firmly and pull combination tool rearward so that extractor claw comes out. Remove extractor and spring.

(d) **Arctic Trigger**

(i) Take kneeling position.

(ii) Ensure safety catch is on 'S'.

(iii) With the help of combination tool open the screw of piston grip and separate trigger.

(iv) Turn trigger guard inward and fix in the piston grip.

(v) Tighten the screw with combination tool.

(vi) After removing trigger guard, rifle to be used safely.

(viii) To reassemble repeat sequence in reverse order.

Assembling

6. (a) **Extractor and Firing Pin**

(i) To assemble extractor, hold breach block in the similar manner as it was held for stripping. Press plunger with the help of combination tool, fix extractor and spring in the slot. Gradually release pressure from the plunger. Ensure extractor is fixed correctly.

(ii) Fix spring on top of firing pin and insert the firing pin from rear of breach block. Now, while pressing firing pin spring, fix firing pin retaining pin.

(b) **Breach Block and Slide**

(i) Hold slide upside down, lift breach block from right hand and insert the other part of firing pin in slide hole. Fix breach block while

pressing backward.

(ii) Lift rifle, muzzle facing downward, hold slide and breach block from right hand. Keeping the fingers below breach block, insert them in the body and fix the body cover.

(iii) Ensure safety catch is on 'S'. Assemble the rifle.

(c) **Piston and Gas Plug**

(i) Fix piston spring on the piston.

(ii) Insert piston and spring in the cylinder and fix gas plug while pressing. With help of drill cart or combination tool press gas plunger and turn gas plug in anti clock wise direction so that cut portion comes up. Remove pressure from plunger and ensure gas plug is assembled.

(c)

CLEANING

7. (a) **CLEANING MATERIAL**

(i) Pullthrough.

(ii) Oil bottle.

(iii) Combination tool.

(iv) Gas regulator key screw driver.

(v) Cylinder/Chamber cleaning brush.

(vi) Rifle cleaning brush.

(vii) Graphite grease tube.

(viii) Chindi.

(b) **Daily Cleaning**

(i) After ensuring rifle is empty, strip the rifle. Remove extractor and mag only if they are dusty or wet.

(ii) Fix cleaning brush or combination tool and clean the chamber.

(iii) **Barrel Cleaning**

(aa) Open the pullthrough.

(ab) Fix 10x 5 cm chindi in the center loop. Close the rifle and insert the pullthrough from breach side and pull it out from muzzle side. Ensure chord does not rub the flash hider. Repeat this action several times till such time the barrel is clean.

(ac) To check base, open the rifle and look from muzzle side to

check dirt in the grooves.

(ad) Using 10x 3.75 cm chindi, oil the barrel with help of pullthrough.

(iv) **Cylinder Cleaning**. Insert pullthrough from the top with chindi size 10x 5 cm. Holding pullthrough from either end, clean the cylinder.

(v) **Cylinder Oiling**. Using 10x5 cm chindi oil the cylinder.

Cleaning of Rifle Parts by Using Brush and Oil

8. (a) After cleaning slide and body cover fix them in the rifle and assemble the rifle.

(b) Clean gas plug, piston rod, and spring and assemble them.

(c) Clean flash hider, bayonet, barrel, fore sight, gas block, gas regulator, sling swivel and hand guard. Also clean outer side of body, cocking handle, safety catch, trigger, trigger guard, butt frame, joint pin, magazine catch, holding opening catch, back sight, carrying handle, pistol grip, butt lever and butt plate.