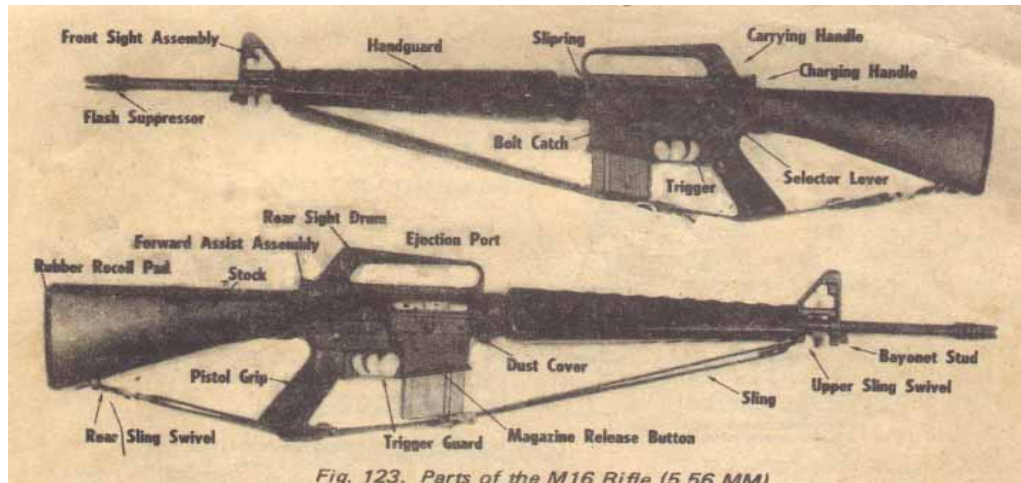


THE M16 RIFLES



Characteristics:

1. Air-cooled – natural ventilation
2. Gas Operated – weapons that uses the pressure of the expanding gases to move the bolt through a gas cylinder.
3. Magazine fed
 - box type
 - short – 20 rds
 - long – 30 rds
4. Shoulder and hip fired weapon – it is a weapon fired from the shoulder or hip.
5. Semi-automatic and automatic mode – the weapon by changing the setting of the selector lever can be made to fire either in automatic or semi-automatic mode.

Gun Data:

1. Weights:

a.	Rifle without magazine and sling	6.5 lbs
b.	Empty magazine aluminum	.2 lbs
c.	Full magazine (20 rds)	.7 lbs
d.	Sling M1	.4 lbs
e.	Firing weight (fully loaded with sling)	7.6 lbs
f.	Bipod	.6 lbs
g.	Bayonet-knife M7	.6 lbs
h.	Scabbard M8A1	.3 lbs

2. Lengths:

a.	Rifle with Bayonet	44.25 in
b.	Rifle overall with flash suppressor	39 in
c.	Barrel	21 in
d.	Barrel w/o suppressor	20 in

3. Sights:

- a. Front adjustable, click type post. Each click is equal to 2.8 centimeters per 100 meters of range.

b. Rear-adjustable flif-type. Normal range setting is for 0 to 300 meters, long range setting (L) 300 to 500 meters. Each notch of the windage drum equals 2.8 centimeters for every 100 meters of range. On a weapons set for battle sight of 250 meters flif to long range aperture weapon is then zeroed to 290-375 meters.

c. Sign rapid ----- 19.75 in

4. Operation Characteristics

a. Cyclic rate of fire ----- 700 – 8– rds per min
 b. Muzzle velocity ----- 3,250 fps
 c. Maximum range ----- 2,653 meters
 d. Maximum effective range ----- 460 meters

e. Maximum rate of fire:

1) Semi-automatic ----- 45 – 65 rds per min
 2) Automatic ----- 150 – 200 rpm
 3) Sustained rate of fire ----- 12 – 15 rpm

Disassembly/Assembly:

1. Disassembly

- a. Remove magazine
- b. Open bolt & inspect chamber
- c. Remove handguards
- d. Disengage take down pin
- e. Withdraw charging handle and bolt carrier
- f. Remove bolt carrier group
- g. Remove retaining pin
- h. Remove firing pin
- i. Remove bolt cam pin
- j. Remove bolt from bolt carrier
- k. Remove extractor pin
- l. Remove extractor
- m. Remove sling
- n. Remove charging handle
- o. Disengage receiver pivot pin
- p. Separate upper receiver and lower receiver groups
- q. Press in buffer assembly, depress buffer retainer and then release buffer assembly.
- r. Remove buffer assembly and spring

2. Assembly – is just the reverse of disassembly.