



M16/M4 SERVICE RIFLE FAMILIARIZATION





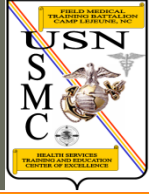
OVERVIEW



- Characteristics
- Safety Rules
- Components
- Weapons Conditions
- Ammunition
- Disassembly
- Cleaning
- Assembly
- Function Check
- Weapons Transports



LEARNING OBJECTIVES



Please Read Your

Terminal Learning Objectives

And

Enabling Learning Objectives



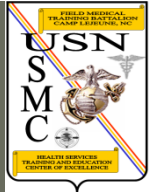
CHARACTERISTICS



- A 5.56 mm, magazine fed, gas operated, air cooled, shoulder-fired weapon that can be fired either in automatic three-round bursts or semi-automatic single shots as determined by the position of the selector lever.



CHARACTERISTICS



M16A4

5.56

8.79

39 5/8

Caliber

Weight

Length



M4

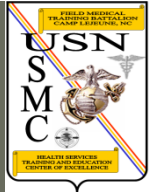
5.56

6.9

29.75/33



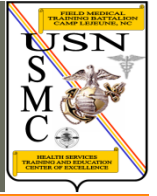
CHARACTERISTICS



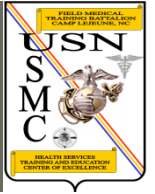
	M16A4		M4
Cyclic Rate	800min		800min
Max. Effect Rates	45	Semi	45
	90	Burst	90
	12-15	Sust	12-15



CHARACTERISTICS

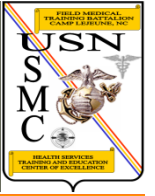


Max. Effect Range	M16A4	M4
Individual/point	550	500
Area Target	800	600
Maximum Range	3534	3600





SAFETY RULES



**TREAT EVERY WEAPON AS IF
IT WERE LOADED**



SAFETY RULES

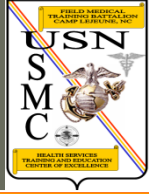


2

**NEVER POINT A WEAPON AT
ANYTHING YOU DO NOT
INTEND TO SHOOT**



SAFETY RULES



**KEEP YOUR FINGER STRAIGHT AND OFF
THE TRIGGER UNTIL YOU ARE READY TO
FIRE**

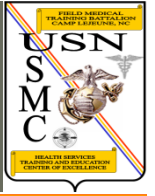


SAFETY RULES



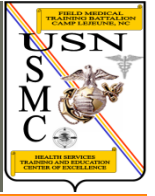
4

**KEEP THE WEAPON ON
SAFE UNTIL YOU INTEND TO
FIRE**



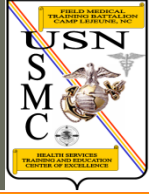
COMPONENTS







WEAPONS CONDITIONS



CONDITION FOUR

Magazine Removed

Bolt Forward

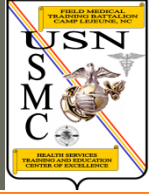
Chamber Empty

Ejection Port Cover Closed

Weapon Is On Safe



WEAPONS CONDITIONS



CONDITION THREE

Magazine Inserted

Bolt Forward

Chamber Empty

Ejection Port Cover Closed

Weapon Is On Safe



WEAPONS CONDITIONS

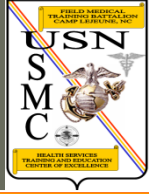


CONDITION TWO

Does Not Apply To M16/M4



WEAPONS CONDITIONS



CONDITION ONE

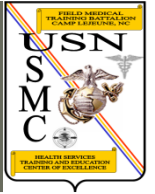
Magazine Inserted

Bolt Forward

Round In Chamber

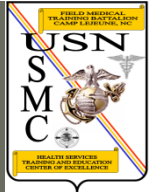
Ejection Port Cover Closed

Weapon Is On Safe



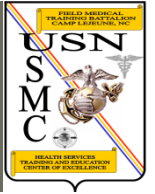


AMMUNITION



Four types of ammunition are authorized for use with the M16/M4 service rifle







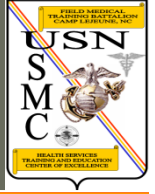
DISASSEMBLY

Before you disassemble the rifle ensure the weapon is on safe





DISASSEMBLY



The rifle is clear and safe only when:

1. There is no round in the chamber
2. The magazine is removed
3. The bolt carrier is locked to the rear
4. The selector lever is in the safe position

DISASSEMBLY



- Remove Sling
- Remove carrying handle from upper receiver



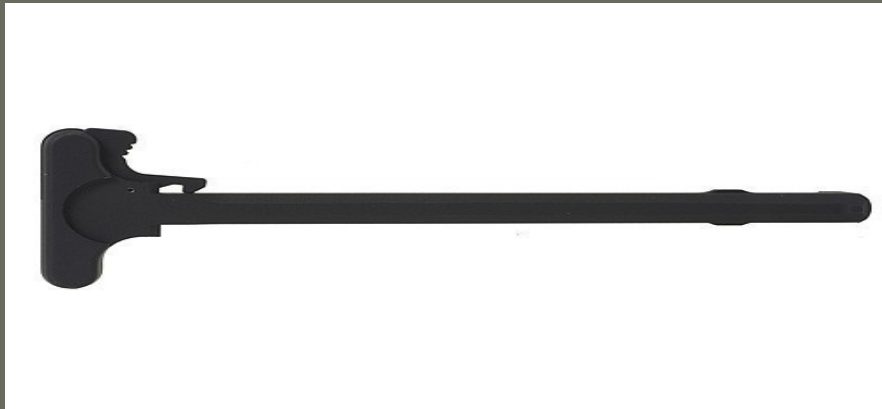
- Remove hand guards

DISASSEMBLY



- Remove Upper Receiver From Lower Receiver

DISASSEMBLY



- Remove the charging handle

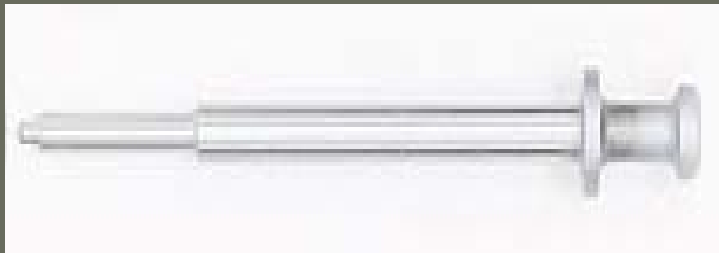


- Remove the bolt carrier assembly

DISASSEMBLY



- Remove firing pin retaining pin and bolt cam pin

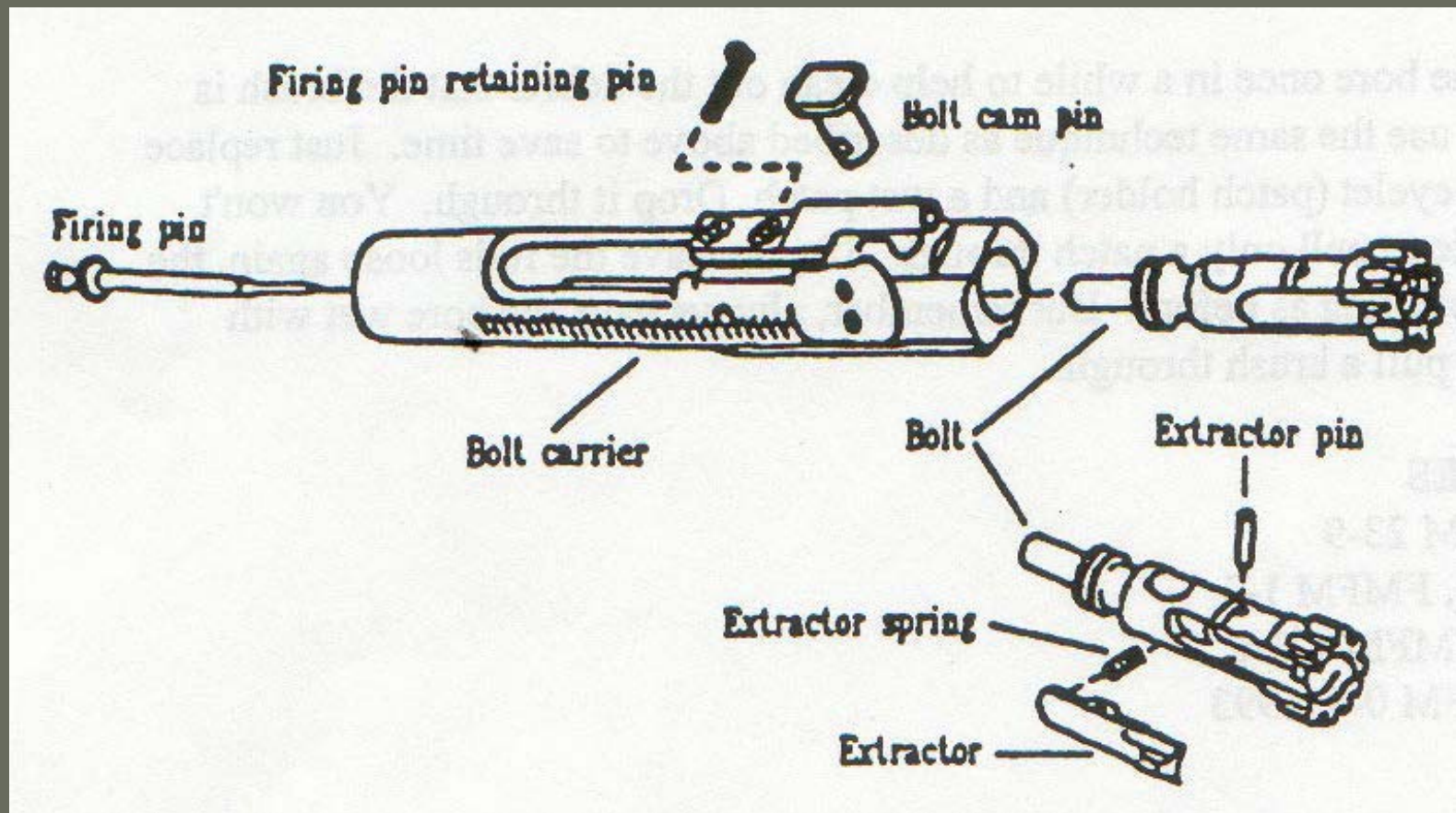


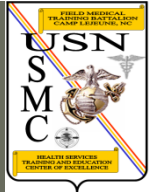
- Remove the firing pin



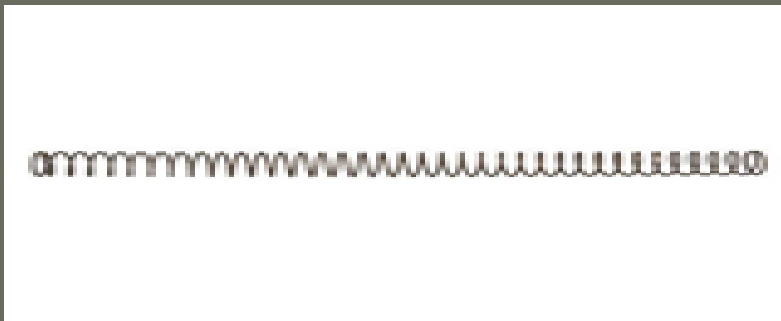
- Remove bolt

DISASSEMBLY



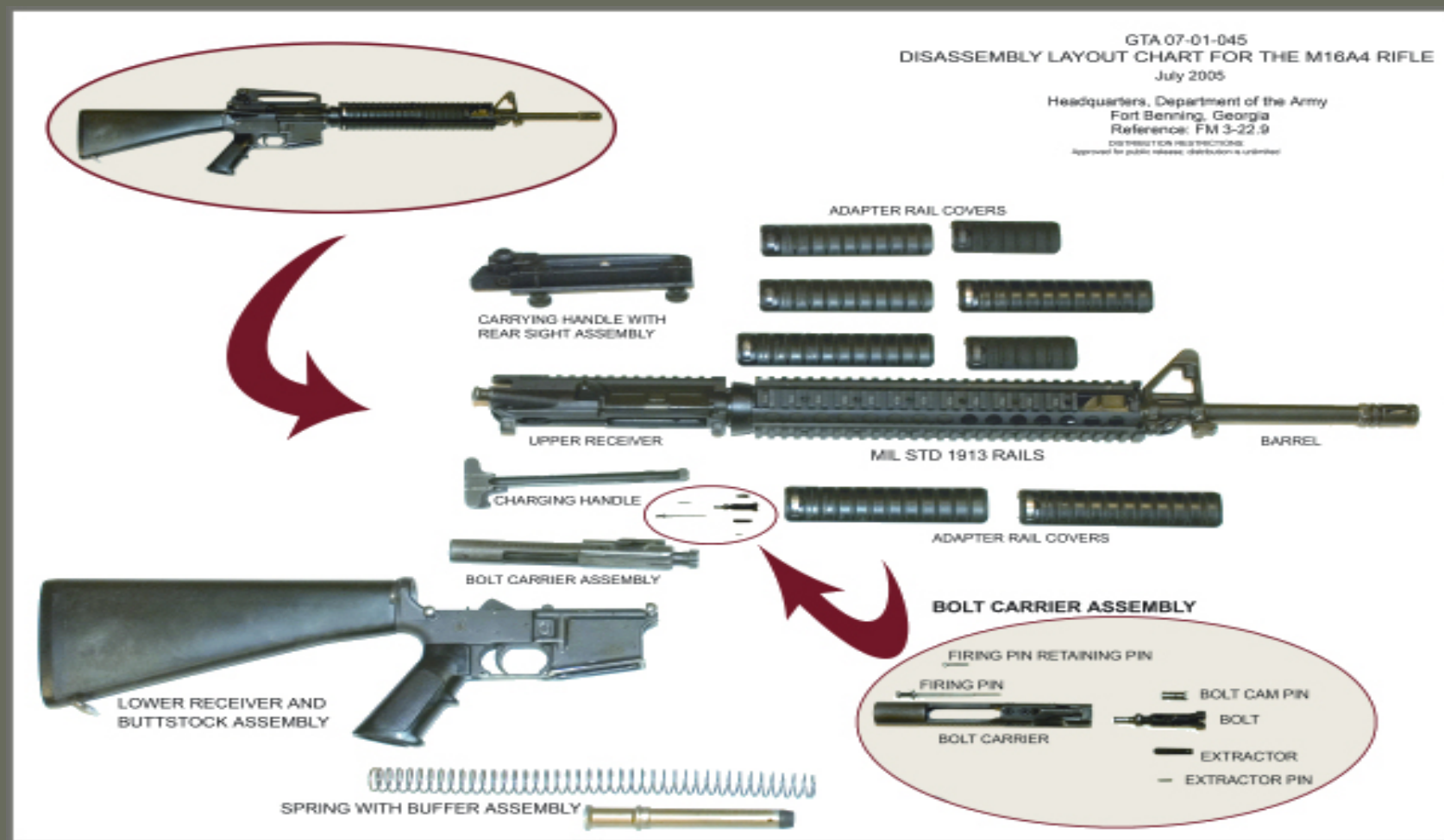


DISASSEMBLY



- Take the lower receiver and remove the buffer and buffer spring

DISASSEMBLY







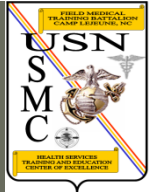
CLEANING THE SERVICE RIFLE



- Normal care and cleaning will result in proper functioning of all parts of the weapon.
- Improper maintenance causes stoppages and malfunctions.
- Only "issued" cleaning materials should be used.
- Do not use any abrasive material to clean the rifle.
- Cleaner Lubricant and Preservative (CLP) is the only authorized lubricant for the M16/M4 Carbine rifle.



CLEANING THE SERVICE RIFLE

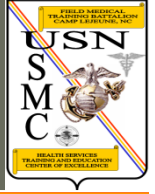


These cleaning materials are carried in the compartment provided in the stock of the weapon on the M16 or in the cleaning kit for the M4 Carbine.





CLEANING THE SERVICE RIFLE

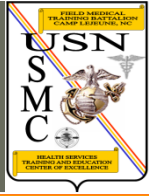


Cleaning and lubrication of the upper receiver

- Clean the upper receiver until free of powder/carbon.
- After cleaning, coat the interior surfaces of the upper receiver with CLP.



CLEANING THE SERVICE RIFLE

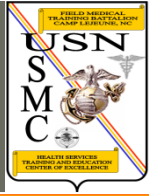


Cleaning and lubrication of the barrel

- Assemble cleaning rods with bore brush and dip in CLP
- Always brush from the chamber to the muzzle
- Pull brush through the bore until it extends beyond the muzzle compensator
- Continue until the bore is free of carbon and fouling
- Dry the bore with clean patches.



CLEANING THE SERVICE RIFLE

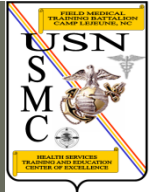


- Attach the chamber-cleaning and dip it in CLP
- Scrub the chamber in a circular motion
- Dry the chamber thoroughly with clean patches
- Clean the locking lugs in the barrel extension
- Clean the gas tube
- Lubricate the bore and locking lugs in the barrel extension by applying a light coat of CLP





CLEANING THE SERVICE RIFLE

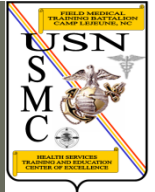


Cleaning and lubrication of the bolt carrier group

- Clean all parts with a patch or an all-purpose brush dipped in CLP
- Remove carbon/metal filings then dry with patches and lubricate
- Scrub extractor, the firing pin recess, and the firing pin
- Before final assembly, apply a coat of CLP to the bolt body, rings and carrier key
- After bolt carrier group is reassembled, apply a liberal amount of CLP to all exterior surfaces with particular emphasis to the friction points



CLEANING THE SERVICE RIFLE

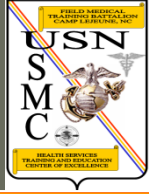


Cleaning and lubrication of the lower receiver group

- Wipe any particles of dirt from the trigger mechanism then apply CLP on each of the pins for lubrication.
- Components of the lower receiver group can be cleaned with CLP and a brush.
- Use a scrubbing action to remove all carbon residue and foreign material



CLEANING THE SERVICE RIFLE



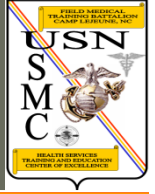
Cleaning and lubrication of the magazine

- Disassemble the magazine
- Scrub the inside of the magazine
- The magazine is made of aluminum and does not need any lubrication
- Scrub the spring
- Wipe dry and apply a very light coat of CLP to the spring

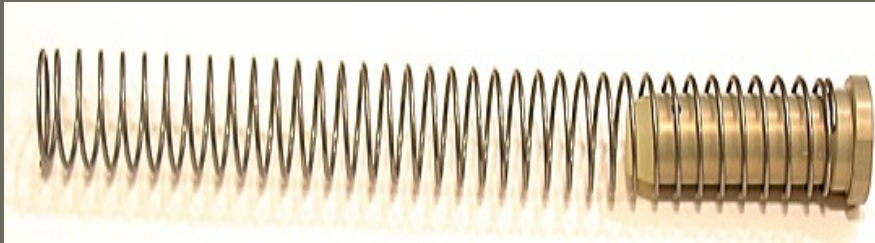




ASSEMBLY



Lower receiver group assembly



- Put buffer spring on buffer



- Put buffer back in the lower receiver

ASSEMBLY

Bolt-Carrier group assembly



- Put bolt back in bolt carrier assembly



- Put firing pin in bolt

ASSEMBLY



- Put charging handle in upper receiver
- Put the bolt carrier assembly in upper receiver

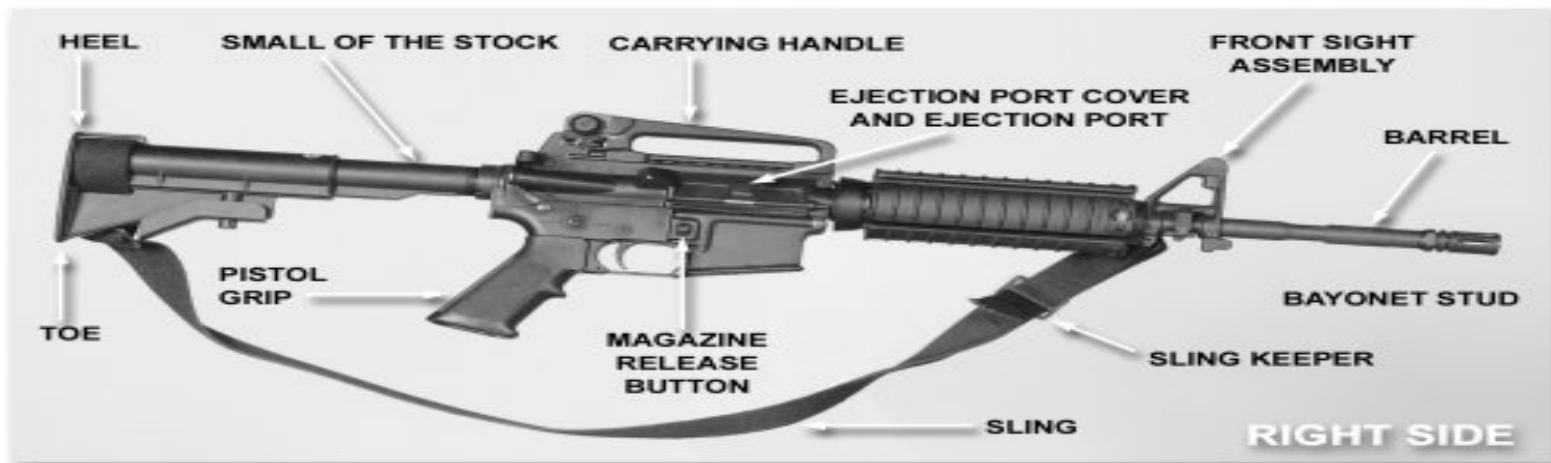


ASSEMBLY



- Put upper and lower receiver together

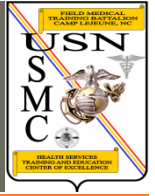
ASSEMBLY







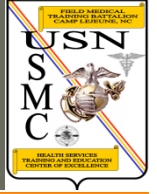
FUNCTION CHECK



- Ensure the weapon is Condition Four
- Pull charging handle to the rear and release
- Place selector level on SAFE



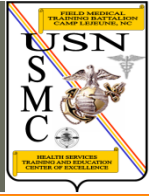
FUNCTION CHECK



- Pull the trigger - Hammer should not fall
- Place selector lever on SEMI
- Pull the trigger and hold to rear - Hammer should fall



FUNCTION CHECK



- Pull the charging handle to the rear and release
- Release trigger and pull to the rear again – Hammer should fall
- Place selector level on BURST



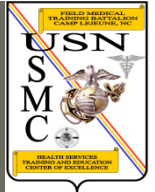
FUNCTION CHECK



- Pull charging handle to rear and release
- Pull the trigger and hold to rear – Hammer should fall



FUNCTION CHECK

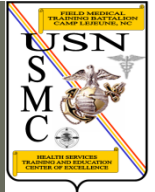


- Pull charging handle to the rear three times and release
- Release the trigger and pull again – Hammer should fall





WEAPONS TRANSPORTS



Strong Side Sling Arms

- Release pistol grip
- Lower butt stock, rifle vertical
- Left hand grabs sling
- Guide around shoulder
- Place sling on shoulder, release hand guard





WEAPONS TRANSPORTS



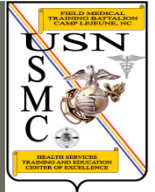
Weak Side Sling Arms (Inclement Weather)

- Release pistol grip
- Lower butt stock, rifle vertical
- Rotate outward, pistol grip towards body
- Grasp sling with right hand





WEAPONS TRANSPORTS



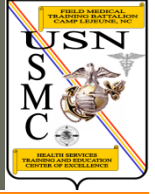
Cross Body Sling Arms (Muzzle Down)

- With your right hand, grasp the sling.
- With your left hand, grasp the hand guards.
- Pull up on the rifle with both hands.
- Slide the sling over your head.
- Position the rifle so it is comfortable across your back.





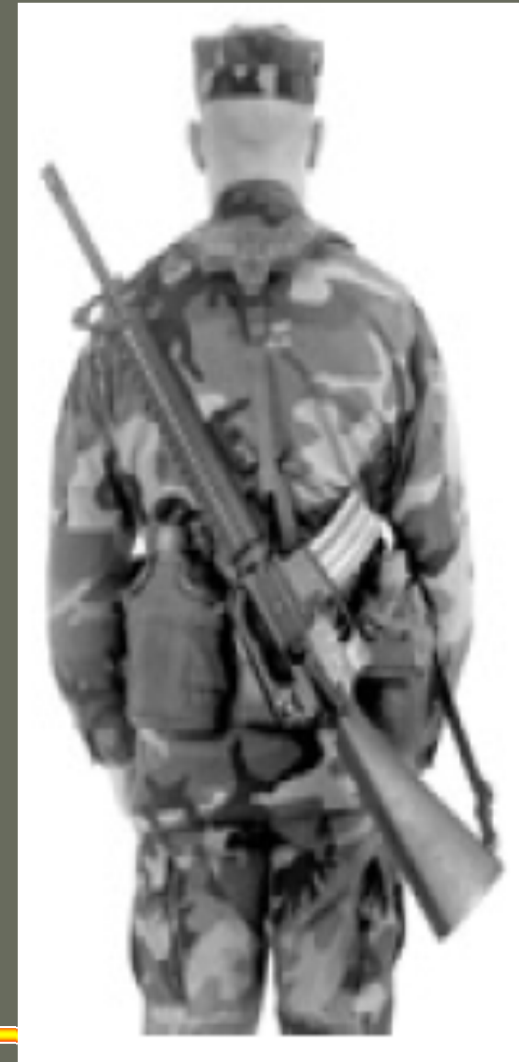
WEAPONS TRANSPORTS



Cross body sling arms

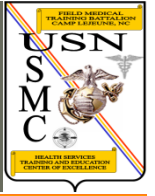
(Muzzle Up)

- Left hand grasp sling
- Right hand grasp pistol grip
- Pull rifle with both hands
- Sling over head
- Position comfortably



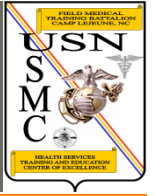


DEMONSTRATION





PRACTICAL APPLICATION





M16/M4 SERVICE RIFLE FAMILIARIZATION

