

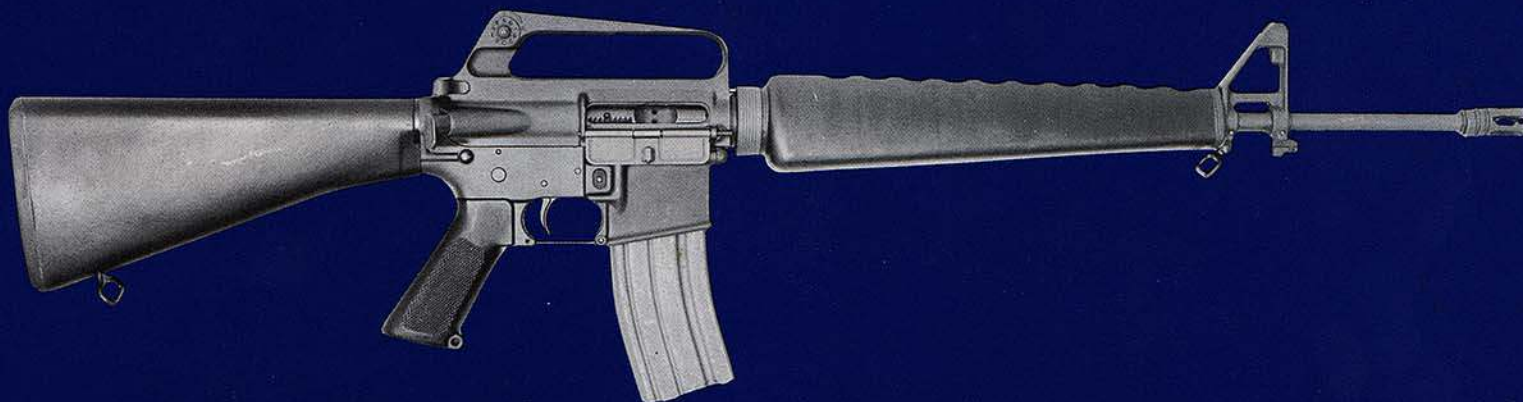


COLT®

M-16

5.56mm MILITARY RIFLE

"AT FREEDOM'S SIDE SINCE 1836"



bulletin D-4

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PROVEN IN COMBAT

The M-16 Rifle is the latest in a long line of military weapons produced by Colt during its 135-year history. It is the standard rifle of all United States Armed Forces, and has been proven by over five years of combat in Southeast Asia.

A total of over 2,500,000 rifles have been produced since the first M-16 was shipped from the Colt Plant. High production such as this, along with its extensive use in the field, guarantees that the M-16 is the most combat effective, most modern military rifle available.

M-16



LIGHTWEIGHT, DEPENDABLE, VERSATILE

The M-16 rifle is a lightweight, fully automatic and semi-automatic military weapon. Its empty weight of 6.5 pounds is achieved through the use of aluminum alloys and plastics, and a bolt which locks into the barrel, eliminating the need for the heavy receiver normally required to support breech pressures in conventional weapons.

A lightweight weapon combined with lightweight ammunition provides the user of the M-16 rifle with a significant logistic advantage. Two hundred additional rounds of ammunition can be carried without increasing the rifleman's basic load.

The enclosed action of the M-16 rifle provides exceptional protection against water, dust, and mud. With the ejection port cover closed and a magazine in place, the rifle will remain in excellent condition, ready to fire, under the most adverse conditions.



COLT[®]

M-16

FEATUR

SIMPLICITY OF MAINTENANCE AND OPERATION

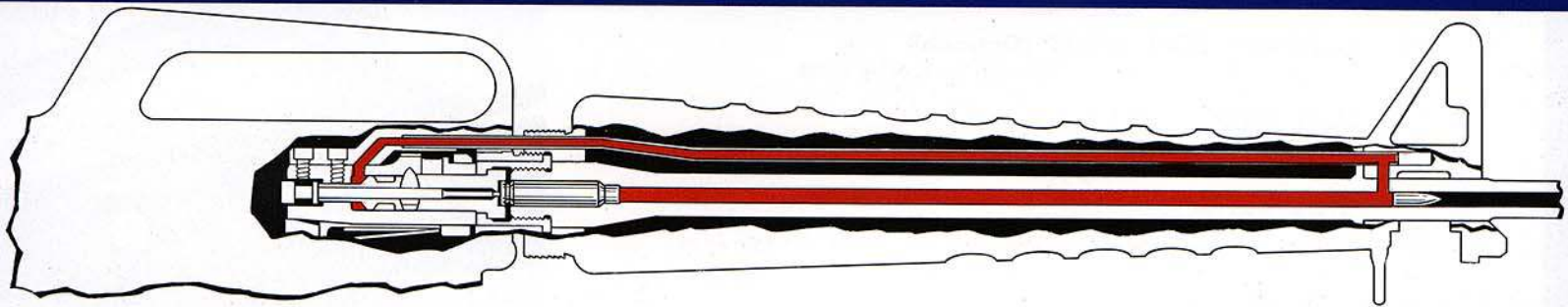
The point of a bullet is the only tool required for routine disassembly for field maintenance. Detail disassembly can be accomplished using the firing pin as a tool. All parts are designed to preclude incorrect assembly. Operating controls are logically located for maximum ease of operation. Training time for familiarization is reduced substantially as a result of the simplicity and limited number of working parts of Colt's M-16 rifle.



STRAIGHT LINE CONSTRUCTION

The barrel, bolt, recoil buffer unit and stock are assembled in a straight line. The light recoil of the 5.56 mm cartridge is carried straight back to the shoulder, and vertical dispersion or barrel climb is greatly diminished even in full automatic fire. Recoil and noise are relatively low, and trainees learn to shoot quickly and with high scores.

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UNIQUE GAS OPERATING SYSTEM

The bolt and bolt carrier form a piston and cylinder activated by gas, fed back from a port near the muzzle. This eliminates the weight and complexity of the conventional operating rod. The bolt locks directly to the barrel, and the full force developed at maximum chamber pressure is contained between these two parts. The receiver is not a part of the locking system and is therefore made of lightweight aluminum alloy. These advance design features result in an exceptionally lightweight weapon.

1 WINTER TRIGGER GUARD

The trigger guard is easily adaptable to winter operations. A spring-loaded retaining pin is depressed with a bullet to allow for ready access to the trigger even with Arctic mittens.

2 SELECTOR LEVER

Mode of fire is easily changed by the right thumb from the pistol grip, with or without gloves. Selection may be made of safe, semi-automatic, fully automatic or burst control for those rifles equipped with the latter feature.

3 BOLT RELEASE

Releases the bolt and charges the weapon in one operation.

4 BURST CONTROL (Optional)

This mechanism provides 2-shot or 3-shot burst control with each trigger squeeze. It gives the soldier well controlled, effective and accurate automatic fire without requiring attention to controlling the number of shots in a burst. Therefore, greater concentration may be given to target acquisition and sighting picture rather than to manual fire control.



FEATURES OF THE M-16 SYSTEM

5 CHARGING HANDLE

Contoured for operation by only two fingers. Readily operated even when wearing mittens.

6 FORWARD BOLT ASSIST (Optional)

Plunger type. Is actuated by thumb or heel of hand.

7 BOLT STOP

Holds bolt open after last round is fired, allowing for rapid magazine exchange during reloading process.

8 DUST COVER

Protects working parts from foreign matter when the rifle is not in use. Opens automatically upon firing, charging of the weapon, or releasing the bolt.

9 CARRYING HANDLE

Serves as a base and protection for the windage adjustment and battle type rear sight. Handle is drilled for telescope mount.

10 MAGAZINE RELEASE

A finger tip release. Can be operated without removing the hand from the pistol grip. The magazine falls free, allowing for rapid reloading during assault fire.



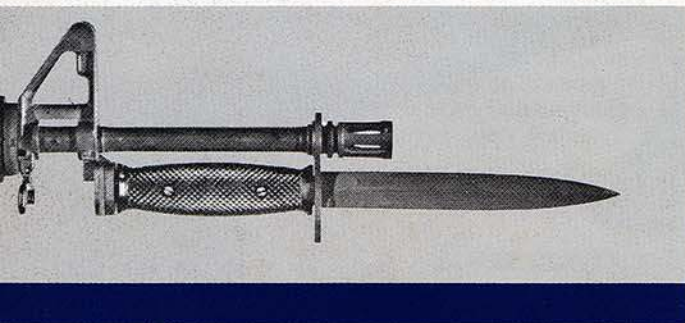


COLT'S M-16 RIFLE

Characteristics

CALIBER	.223	5.56 mm.
OVERALL LENGTH	38.6"	980 mm.
BARREL LENGTH	20"	507 mm.
WEIGHT (without magazine)	6.5 lbs.	2.94 kg.
MUZZLE VELOCITY	3250 ft./sec.	990 m/s
MUZZLE ENERGY	1285 ft.-lbs.	178 m. kg.
RATE OF FIRE	650-850 R.P.M.	650-850 R.P.M.
HEIGHT	8.8"	223 mm.
WIDTH	2.4"	62 mm.
WEIGHT OF 20 ROUND MAGAZINE FULL	.71 lbs.	.32 kg.
WEIGHT OF 30 ROUND MAGAZINE FULL	1.0 lbs.	.46 kg.

COLT M-16 EQUIPMENT



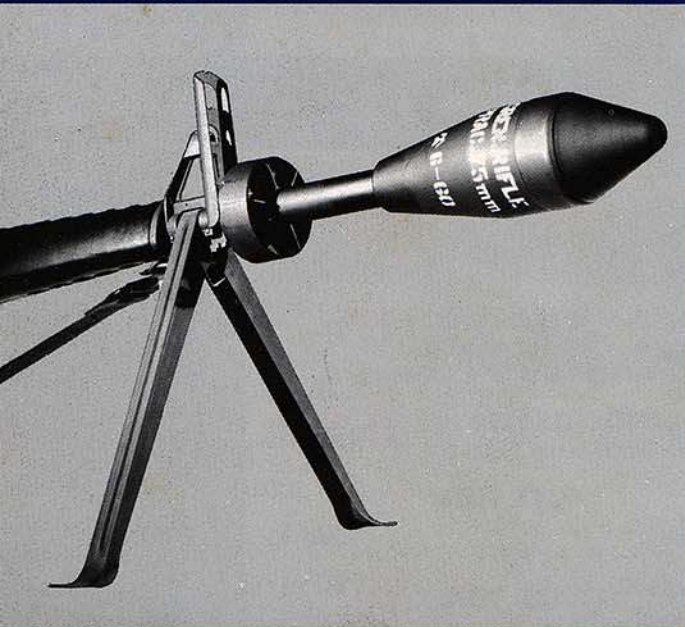
◀ **BAYONET** — The knife-type bayonet slips over the flash suppressor and a lug which is an integral part of the front sight. The bayonet is easily affixed and removed.

▶ **SCOPE** — An integral mount for a scope sight is provided in the carrying handle. The scope can be attached in a few seconds without the use of tools.

◀ **BIPOD** — The aluminum bipod can be attached and removed in an instant. It provides increased stability to the rifle for prone, semi-automatic or automatic fire.

◀ **RIFLE GRENADE LAUNCHER** — The grenade launcher/flash suppressor, standard on every basic rifle, will accommodate Energa and current standard U.S. military rifle grenades without any supplementary attachments. It will also launch current standard U.S. military hand grenades with the appropriate adaptor.

▶ **30 ROUND MAGAZINE** — The 30 round magazine increases the combat readiness of the infantryman by 50 percent. It also provides greater sustained firepower under all conditions.



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