

5.56MM CONVERSION KIT (RIMFIRE)



Training Category/Level Utilized:

Infantry/Level 3

Logistic Responsible Command, Service, or Agency:

ACALA

Source and Method of Obtaining:

Available through local TSC.

Purpose of Trainer:

The Conversion Kit (CK) provides a method to use .22 caliber LR, rimfire ammunition in the M16 or M16A1 Rifle for individual training purposes. The use of .22 caliber ammunition in place of the standard military 5.56mm ammunition will result in reduced training costs and allow the use of firing ranges that cannot accommodate the higher velocity and longer range cartridges. The specific training requirements supported are shown following the descriptive data.

Functional Description:

The device consists of two major components, a magazine insert (or adapter), for .22 caliber, LR ammunition, and a bolt assembly. The magazine component is a 10-round magazine which fits into a standard 5.56mm 20- or 30-round magazine. The .22 caliber bolt assembly consists of a smoothbore barrel configured externally to the 5.56mm chamber, and internally to accept the .22 caliber LR cartridge and a bolt with a rimfire firing pin. The device is installed in the M16 or M16A1 Rifle in place of the regular bolt carrier group, is blowback operated, is capable of firing in the semiautomatic mode only, and is limited in accuracy to 50 meters.

Physical Information:

Bolt adapter assembly: 8.75", 1 lb
Magazine insert 3", 4 oz.

Equipment Required, Not Supplied:

.22 caliber rimfire ammunition

Special Installation Requirements:

None

Power Requirements:

None

Special Requirements:

Familiarization with range procedures, weapon operation and maintenance, and safety practices.

Applicable Publications:

TM 9-6920-363-12&P

Reference Publications:

FM 3-22.9
TM 9-1005-249 Series

Training Requirements Supported:

This train supports individual task training for M16 series weapons and M4 carbine training strategies outlined in FM 3-22.09, Rifle Marksmanship

Individual Tasks (STP 21-1 SMCT)
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