

## CLOSE COMBAT MISSION CAPABILITY KIT (CCMCK) FOR M249 SQUAD AUTOMATIC WEAPON (SAW)

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**CCMCK Training Bolt and Slide Assembly**



**CCMCK Face Mask**

**Training Category/Level Utilized:**

Combat Arms/Level 3

**Logistic Responsible Command, Service, or Agency:**

PEO STRI

**Source and Method of Obtaining:**

Available through local TSC or as AAL to the weapon.

**Purpose of Trainer:**

The purpose of this training device is to temporarily convert the M249 Squad Automatic Weapon (SAW) for firing of low-velocity 5.56mm marking ammunition.

This device is a component of the Close Combat Mission Capability Kit (CCMCK). The CCMCK weapon conversion system and ammunition allows for force-on-force close combat training using ammunition that marks the target yet presents minimal hazard to personnel wearing appropriate safety equipment. Other CCMCK weapon conversion kits include the M16/M4 Rifle/Carbine, M9 Semi-automatic Pistol, and M11 Compact Pistol.

**Functional Description:**

The CCMCK weapon conversion kit allows for Soldier/Operator conversion and installs in the same manner as the standard service bolt and slide assembly. The converted weapon retains original upper/lower receivers, slides, and frames with mounted accessories (sights, rail systems, optics/electro-optics, aiming lights, etc.), if attached.

CCMCK provides normal weapon employment cues such as aiming, firing, force-on-force training, and interactive live-fire scenario task and mission execution. The CCMCK conversion kit will not allow service ammunition to be fired when a weapon is converted for use with the CCMCK ammunition.

CCMCK marking ammunition is loaded into the standard magazine for the weapon, fed into the converted weapon, and operated in accordance with the normal operating procedures for that weapon. Once loaded, it cycles the weapon and functions in the same manner as service ammunition. Converting the weapon to use CCMCK marking ammunition does not cause any undue effects or degradation of the normal service components, overall weapon longevity, or the general function of the weapon.

**Physical Information:**

The CCMCK conversion kit for the M249 consists of a training bolt and slide assembly that directly replaces the standard service bolt and slide assembly, a CCMCK specific ejector blade assembly that replaces the standard service ejector blade, and a blue feed tray adapter. All CCMCK weapon conversion kits have distinctive blue markings to enable identification under normal

visibility conditions that the weapon is modified for CCMCK firing. CCMCK M249 conversion kit dimensions: 5.7”(L) x 1.1”(W) x 1.5”(H), Weight: 0.7 lbs, Caliber: 5.56mm.

The CCMCK face mask is a single piece nylon mask which wraps around the lower face and neck and attaches in the back with velcro. The brow band adds additional protection between the helmet and goggles.

**Equipment Required, Not Supplied:**

As a minimum, the required safety equipment for using CCMCK in Force-On-Force training, in addition to the CCMCK face mask, will consist of single hearing protection, standard Combat Helmet or Advanced Combat Helmet, standard gloves, standard Sand, Wind and Dust goggles, groin protection, and two layers of clothing (standard combat shirt and Battle Dress Uniform (BDU) or Army Combat Uniform (ACU) with sleeves rolled down). These are included in the soldier and organizational equipment (OCIE) CTA 50-900 items. Safety equipment/clothing must be worn in a manner such that there is no exposed skin during training.

**Special Installation Requirements:**

(Information not available)

**Power Requirements:**

None

**Applicable Publications:**

TM 9-6920-3700-10: Operator’s Manual for Close Combat Mission Capability Kit (CCMCK).

TM 9-6920-3700-20: Unit Maintenance Manual for Close Combat Mission Capability Kit (CCMCK).

**Reference Publications:**

TM 43-0001-27: Army Ammunition Data Sheets, Small Caliber Ammunition.

TM 9-1305-201-34: Direct Support and General Support Maintenance Manual. Small Arms to 30mm Inclusive.

TM 9-1305-201-20: Organizational Maintenance Manual for Small Arms Ammunition to 30mm Inclusive.

TM 9-1005-201-10: Operator’s Manual Machine Gun, 5.56mm, M249 with equipment.