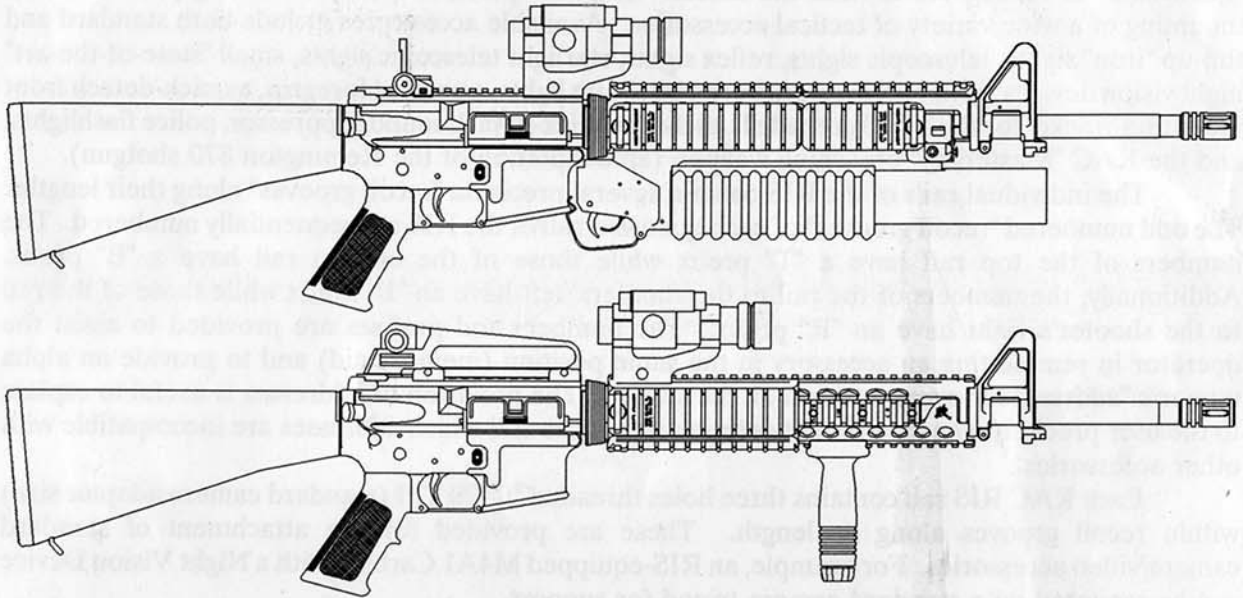




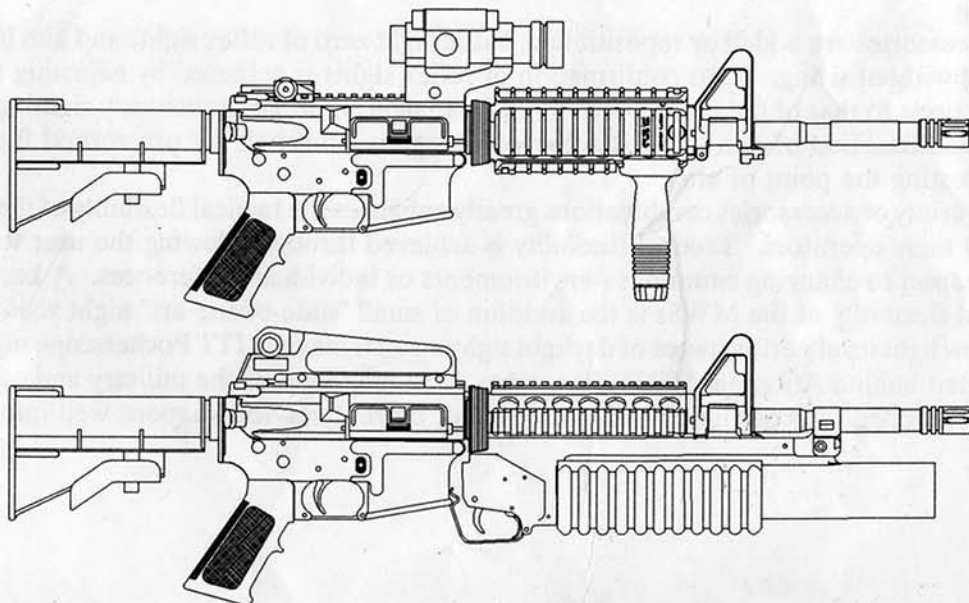
KNIGHT'S ARMAMENT COMPANY
7750 9th STREET S.W.
VERO BEACH, FL 32968

Fax: (407) 569-2955
Phone: (407) 562-5697



KAC MODULAR WEAPON SYSTEM

VARIATIONS



Digitized by:

THE KNIGHT'S ARMAMENT COMPANY M16 - SERIES BASED MODULAR WEAPON SYSTEMS

The Knight's Armament Company (KAC) Modular Weapon Systems (MWSs) are based on M16 / M16A1 / M16A2 series rifles and carbines. The modular weapon configurations illustrated in this brochure show weapons equipped with Picatinny Rail upper receivers; weapons equipped with standard upper receivers may also be updated to modular weapons. The baseline modular weapon combines a standard rifle or carbine with a non-permanent, innovative rail assembly (Rail Interface System - RIS) which replaces the factory handguards of the host weapon. The RIS is composed of four parallel accessory mounting rails (configured to MIL-STD-1913) located in four "quadrants" at 90 degrees around the barrel. The RIS provides precise indexing points for the mounting of a wide variety of tactical accessories. Available accessories include both standard and flip-up "iron" sights, telescopic sights, reflex sights, starlight telescopic sights, small "state-of-the-art" night vision devices, both visible and infrared laser aim lights, a vertical foregrip, a quick-detach front mounting bracket for the M203 grenade launcher, a quick-detach sound suppressor, police flashlights, and the KAC "Masterkey" breaching weapon (an adaptation of the Remington 870 shotgun).

The individual rails of the RIS contain several precision "recoil grooves" along their lengths. The odd numbered "recoil grooves" of each quadrant rail of the RIS are sequentially numbered. The numbers of the top rail have a "T" prefix while those of the bottom rail have a "B" prefix. Additionally, the numbers of the rail to the shooter's left have an "L" prefix while those of the rail to the shooter's right have an "R" prefix. The numbers and prefixes are provided to assist the operator in remounting an accessory in the same position (memory aid) and to provide an alpha numeric "address" for every position on the system. The provision of addresses is useful to explain to the user precisely where to mount certain accessories and which addresses are incompatible with other accessories..

Each KAC RIS rail contains three holes threaded $\frac{1}{4}$ "-20 TPI (standard camera adapter size) within recoil grooves along its length. These are provided for the attachment of standard camera/video accessories. For example, an RIS-equipped M4A1 Carbine with a Night Vision Device can be mounted on a standard camera tripod for support.

The RIS and all accessories utilizing KAC mounts attach to the host weapon without the use of tools. The upper and lower halves of the RIS install on the host weapon in place of and in the same manner as the factory handguards. Optimum performance with the carbine variant RIS is obtained after a single screw is tightened with a medium flat-tip screwdriver. Tightening this screw clamps the upper RIS assembly to the front handguard retaining cap.

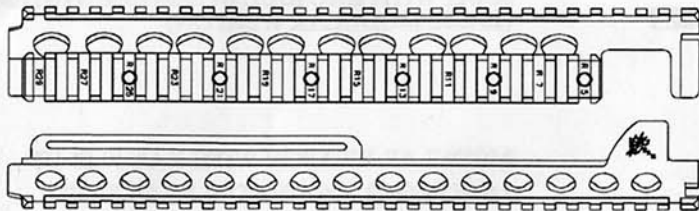
The RIS provides excellent thermal protection to the shooter's hand and excellent barrel cooling. In a test designed by the U.S. Army to compare the carbine variant RIS to the standard carbine handguards, the RIS provided superior thermal protection to the shooter's hand and superior barrel cooling.

As accessories are added or repositioned, battle sight zero of reflex sights and aim lights may be confirmed without firing. Zero confirmation of reflex sights is achieved by adjusting the point of aim of the optic to that of the pre-zeroed flip-up rear sight while simultaneously sighting through both. Zero confirmation of aim lights is achieved by sighting through the pre-zeroed flip-up rear sight and adjusting the point of aim.

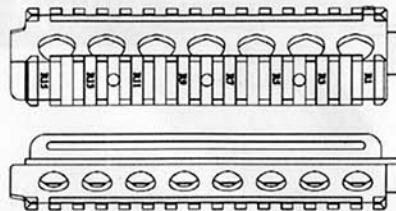
The variety of accessories combinations greatly enhances the tactical flexibility of the baseline weapons and their operators. Tactical flexibility is achieved through allowing the user to "custom tailor" his weapon to changing situations / environments or individual preferences. A key addition to the tactical flexibility of the MWSs is the addition of small "state-of-the-art" night vision devices to enhance low light level performance of daylight sighting systems (e.g. ITT Pocketscope night vision device mounted behind Aimpoint 5000 reflex sight). The MWSs offer the military and other users the versatility needed to postpone the obsolescence of current service weapons well into the next century.

KNIGHT'S ARMAMENT COMPANY MODULAR WEAPON SYSTEMS COMPONENTS (FOR M16 / M16A1 / M16A2 SERIES RIFLES AND CARBINES)

**RAIL INTERFACE SYSTEM (RIS)
FOR ANY M16 / M16A1 / M16A2 RIFLE
(HANDGUARD SECTIONS NOT SHOWN)
KAC PART # 95108**



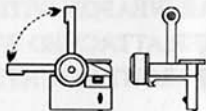
**RAIL INTERFACE SYSTEM (RIS)
FOR ANY M16 / M16A1 / M16A2 CARBINE
(HANDGUARD SECTIONS NOT SHOWN)
KAC PART # 94297**



**STOP, BARREL, ASSY. KIT, RIS
(INCLUDED WITH RIFLE RIS KIT)
KAC PART # 95130**



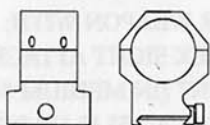
**KAC FLIP-UP LOW PROFILE 800 METER REAR SIGHT
(ONLY 1/2" ABOVE RAIL SURFACE TO FIT UNDER MOST OPTICS)
KAC PART # 94300**



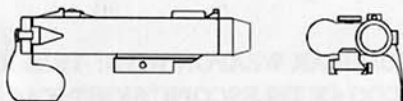
**KAC MOUNT FOR AIMPOINT 5000 REFLEX SIGHT
KAC PART # 95126**



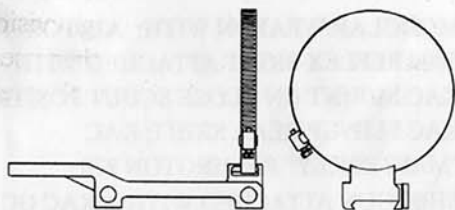
**KAC MOUNT FOR ITT POCKETSCOPE NIGHT VISION DEVICE
KAC PART # 95139**



**KAC MOUNT FOR AN/PAQ-4B INFRARED AIM LIGHT
(AN/PAQ-4B NOT INCLUDED)
KAC PART # 95107**

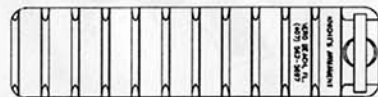


**KAC MOUNT FOR AN/PVS-4 NIGHT VISION TELESCOPIC SIGHT
KAC PART # 95134**

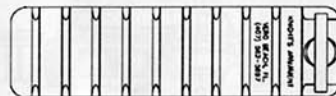


HANDGUARD SECTIONS FOR RAIL INTERFACE SYSTEMS

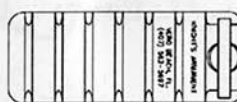
**HANDGUARD SECTION
FULL LENGTH (6.15")
"11 RIB"
KAC PART # 95111**



**HANDGUARD SECTION
(5.5")
"9 RIB"
KAC PART # 95111A**



**HANDGUARD SECTION
(3.9")
"6 RIB"
KAC PART # 95112**



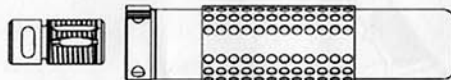
**HANDGUARD SECTION
(2.65")
"4 RIB"
KAC PART # 95113**



**HANDGUARD SECTION
(1.65")
"2 RIB"
KAC PART # 95114**



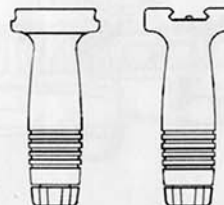
**KAC "MODEL QD" QUICK-DETACH
SOUND SUPPRESSOR AND
REPLACEMENT COMPENSATOR
KAC PART # 94133**

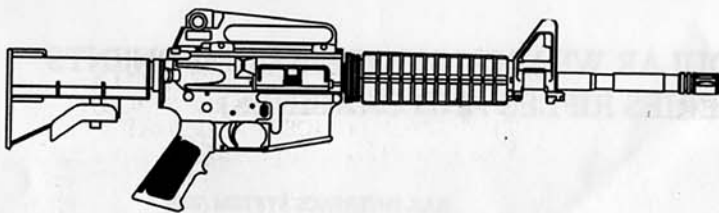


**KAC M203 GRENADE LAUNCHER QUICK RELEASE
FRONT MOUNTING BRACKET
KAC PART # 95117**

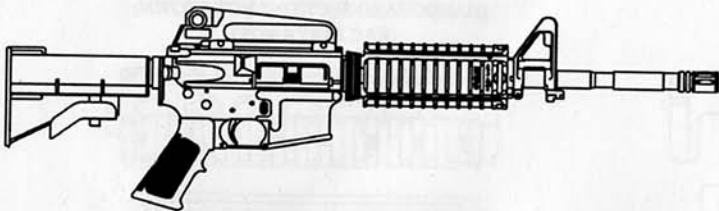


**KAC VERTICAL FOREGRIP
KAC PART # 95122**

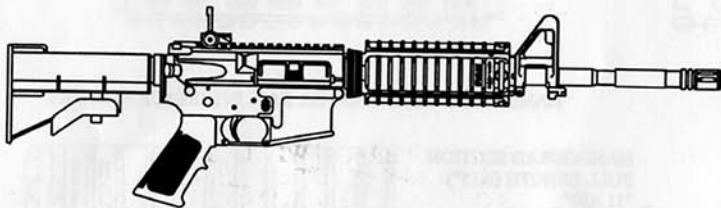




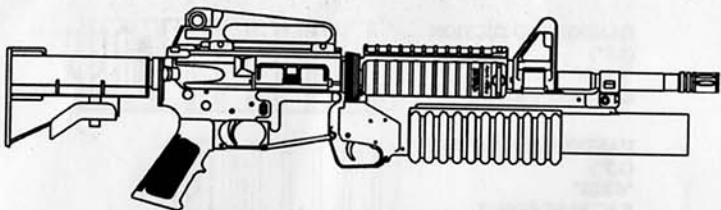
STANDARD M4A1 CARBINE



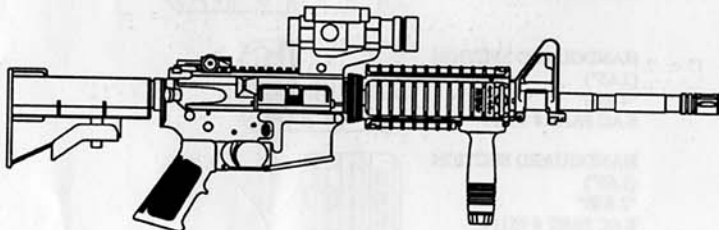
M4A1 WITH KAC RAIL INTERFACE SYSTEM
(BASIC MODULAR WEAPON)



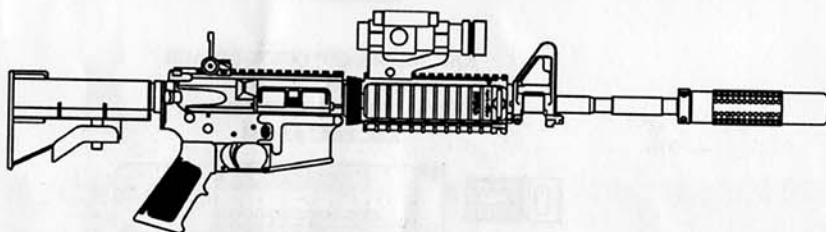
MODULAR WEAPON WITH KAC FLIP-UP
LOW PROFILE 800 METER REAR SIGHT
(THIS SIGHT HAS SEVERAL USES: A
PRIMARY REAR SIGHT; VERIFICATION OF
ZERO WHEN OPTICS AND AIM LIGHTS ARE
REPOSITIONED ON THE RAILS; AND A
MANUAL BACKUP TO OTHER OPTICS)



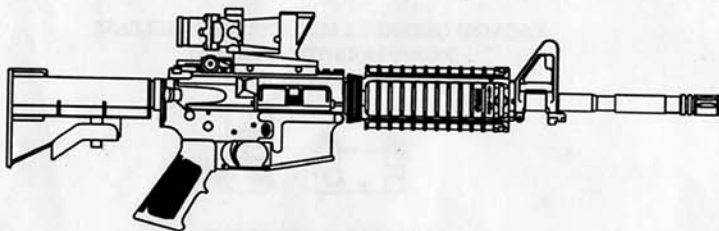
MODULAR WEAPON WITH M203 GRENADE
LAUNCHER ATTACHED WITH A KAC QUICK
RELEASE FRONT MOUNTING BRACKET



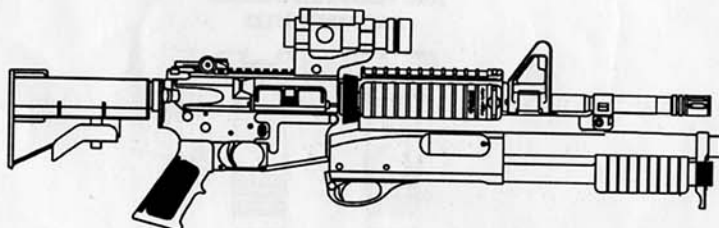
MODULAR WEAPON WITH: AIMPOINT
5000 REFLEX SIGHT ATTACHED WITH A
KAC MOUNT (IN CLOSE SCOUT POSITION);
KAC VERTICAL FOREGRIP; KAC FLIP-UP
REAR SIGHT (IN DOWN POSITION)



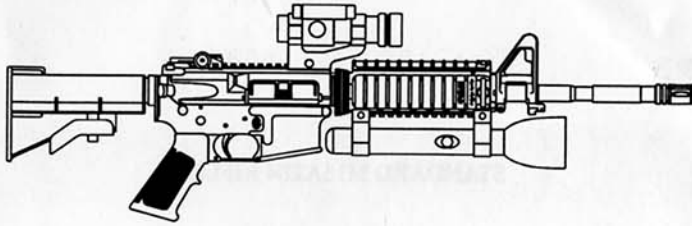
MODULAR WEAPON WITH: AIMPOINT
5000 REFLEX SIGHT ATTACHED WITH A
KAC MOUNT (IN MEDIUM SCOUT
POSITION); KAC FLIP-UP REAR SIGHT IN
VERIFICATION MODE; KAC MODEL QD
QUICK-DETACH SOUND SUPPRESSOR



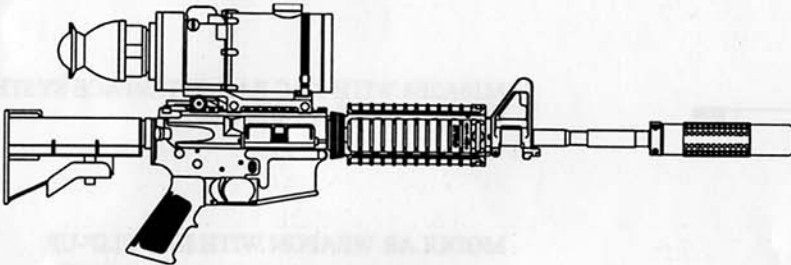
MODULAR WEAPON WITH: TRIJICON
ACOG 4X TELESCOPIC SIGHT; KAC FLIP-UP
REAR SIGHT (IN DOWN POSITION)



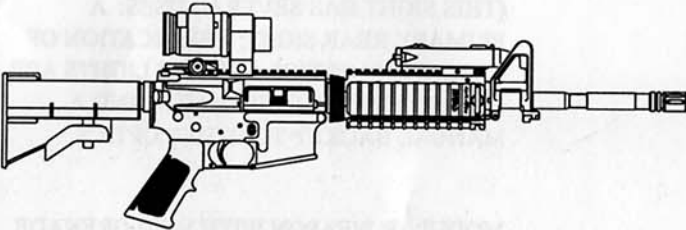
MODULAR WEAPON WITH: AIMPOINT
5000 REFLEX SIGHT ATTACHED WITH A
KAC MOUNT (IN CLOSE SCOUT POSITION);
KAC FLIP-UP REAR SIGHT; KAC
"MASTERKEY" REMINGTON 870
SHOTGUN ATTACHED WITH A KAC QUICK
RELEASE FRONT MOUNTING BRACKET



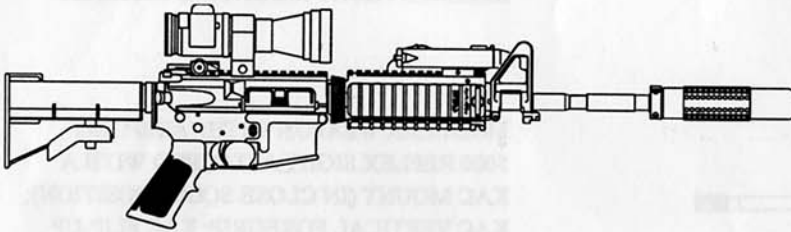
MODULAR WEAPON WITH: AIMPOINT 5000 REFLEX SIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; PUSH-BUTTON POLICE FLASHLIGHT ATTACHED WITH KAC MOUNTS



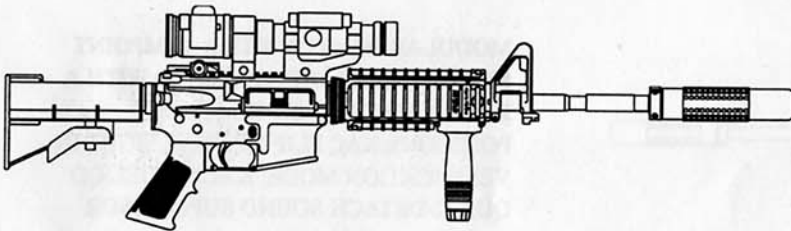
MODULAR WEAPON WITH: AN/PVS-4 STARLIGHT TELESCOPE ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; KAC MODEL QD QUICK-DETACH SOUND SUPPRESSOR



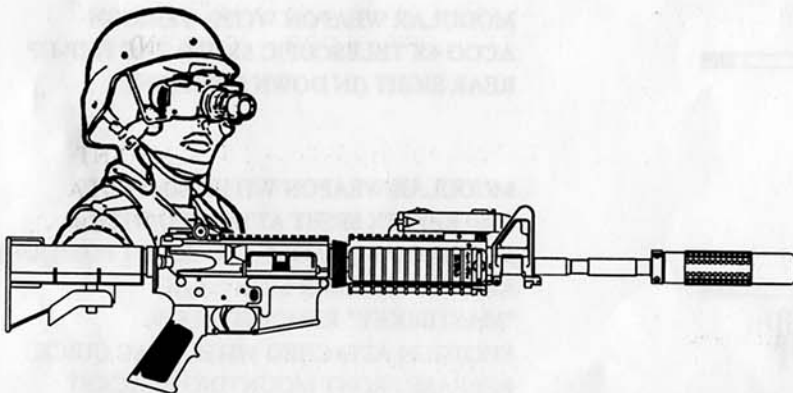
MODULAR WEAPON WITH: ITT POCKETSCOPE NIGHT VISION DEVICE ATTACHED WITH A KAC MOUNT (THIS HAS AN INTEGRAL INFRARED ILLUMINATOR); AN/PAQ-4B INFRARED LASER AIM LIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT



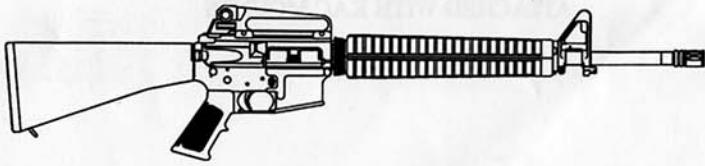
MODULAR WEAPON WITH: ITT POCKETSCOPE NIGHT VISION DEVICE WITH A 3X MAGNIFICATION LENS ATTACHED WITH A KAC MOUNT; AN/PAQ-4B INFRARED LASER AIM LIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; KAC MODEL QD QUICK-DETACH SOUND SUPPRESSOR



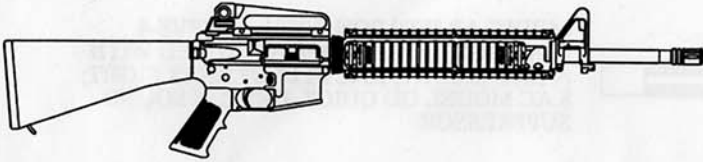
MODULAR WEAPON WITH: ITT POCKETSCOPE NIGHT VISION DEVICE ATTACHED WITH A KAC MOUNT; A COMPLIMENTARY AIMPOINT 5000 REFLEX SIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; KAC MODEL QD QUICK-DETACH SOUND SUPPRESSOR; KAC VERTICAL FOREGRIP



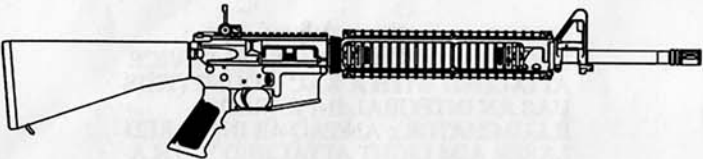
(NOTE THAT THE OPERATOR IS USING NIGHT VISION GOGGLES) MODULAR WEAPON WITH: AN/PAQ-4B INFRARED LASER AIM LIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; KAC MODEL QD QUICK-DETACH SOUND SUPPRESSOR



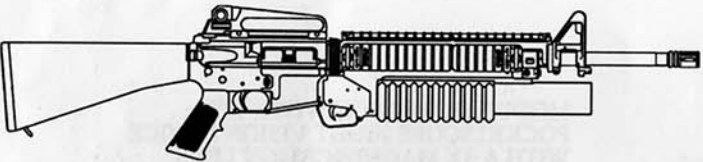
STANDARD M16A2E4 RIFLE



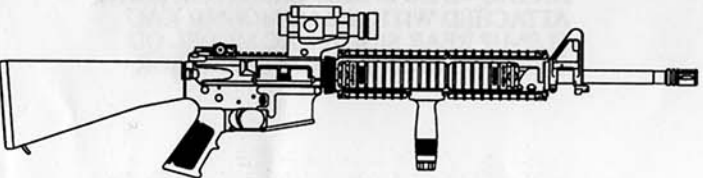
**M16A2E4 WITH KAC RAIL INTERFACE SYSTEM
(BASIC MODULAR WEAPON)**



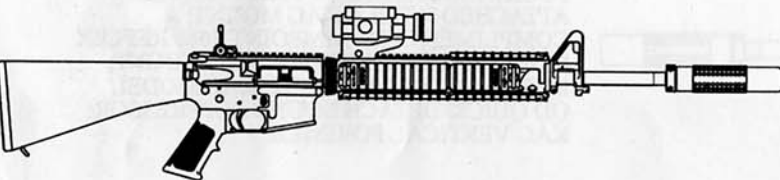
**MODULAR WEAPON WITH KAC FLIP-UP
LOW PROFILE 800 METER REAR SIGHT
(THIS SIGHT HAS SEVERAL USES: A
PRIMARY REAR SIGHT; VERIFICATION OF
ZERO WHEN OPTICS AND AIM LIGHTS ARE
REPOSITIONED ON THE RAILS; AND A
MANUAL BACKUP TO OTHER OPTICS**



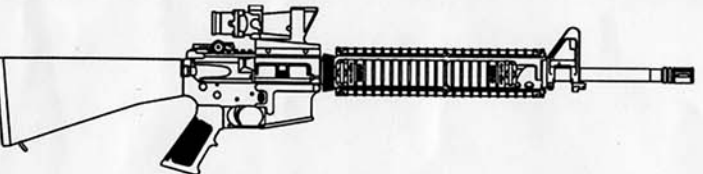
**MODULAR WEAPON WITH M203 GRENADE
LAUNCHER ATTACHED WITH A KAC QUICK
RELEASE FRONT MOUNTING BRACKET**



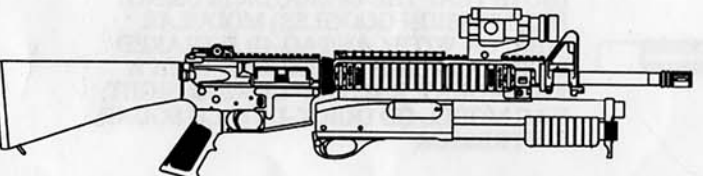
**MODULAR WEAPON WITH: AIMPOINT
5000 REFLEX SIGHT ATTACHED WITH A
KAC MOUNT (IN CLOSE SCOUT POSITION);
KAC VERTICAL FOREGRIP; KAC FLIP-UP
REAR SIGHT (IN DOWN POSITION)**



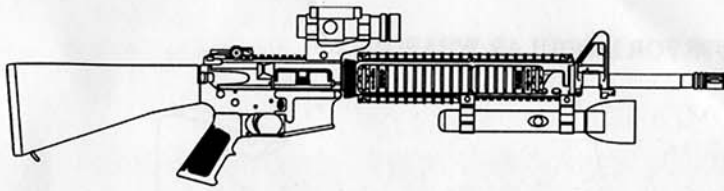
**MODULAR WEAPON WITH: AIMPOINT
5000 REFLEX SIGHT ATTACHED WITH A
KAC MOUNT (IN MEDIUM SCOUT
POSITION); KAC FLIP-UP REAR SIGHT IN
VERIFICATION MODE; KAC MODEL QD
QUICK-DETACH SOUND SUPPRESSOR**



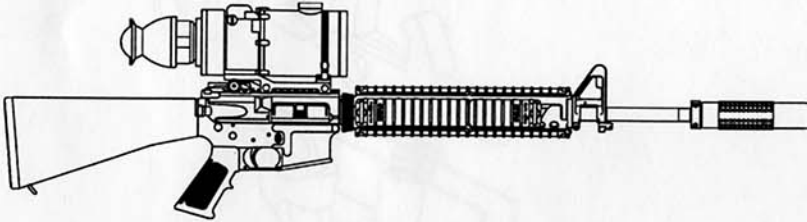
**MODULAR WEAPON WITH: TRIJICON
ACOG 4X TELESCOPIC SIGHT; KAC FLIP-UP
REAR SIGHT (IN DOWN POSITION)**



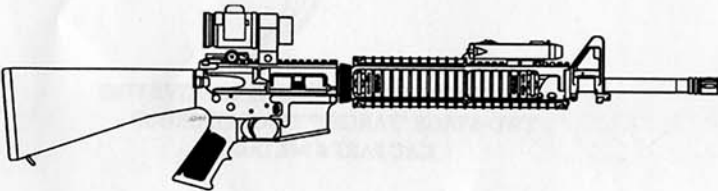
**MODULAR WEAPON WITH: AIMPOINT
5000 REFLEX SIGHT ATTACHED WITH A
KAC MOUNT (IN FORWARD SCOUT POSITION);
KAC FLIP-UP REAR SIGHT; KAC
"MASTERKEY" REMINGTON 870
SHOTGUN ATTACHED WITH A KAC QUICK
RELEASE FRONT MOUNTING BRACKET**



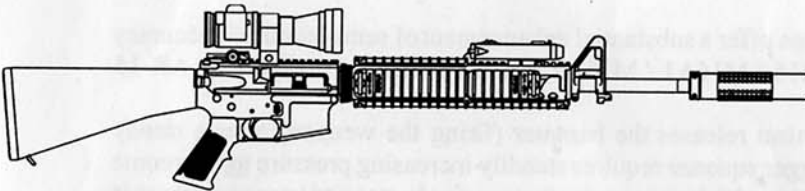
MODULAR WEAPON WITH: AIMPOINT 5000 REFLEX SIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; PUSH-BUTTON POLICE FLASHLIGHT ATTACHED WITH KAC MOUNTS



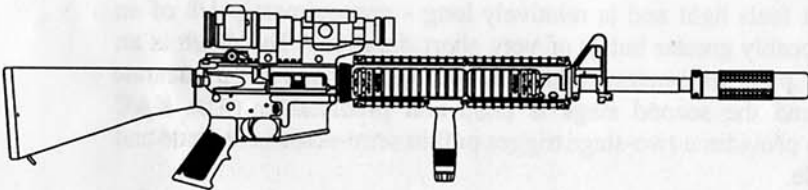
MODULAR WEAPON WITH: AN/PVS-4 STARLIGHT TELESCOPE ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; KAC MODEL QD QUICK-DETACH SOUND SUPPRESSOR



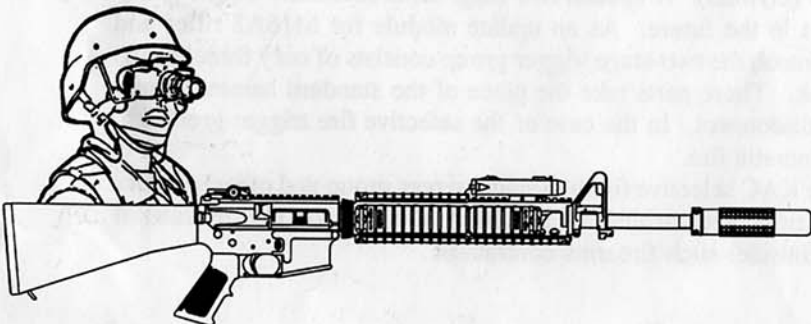
MODULAR WEAPON WITH: ITT POCKETSCOPE NIGHT VISION DEVICE ATTACHED WITH A KAC MOUNT (THIS HAS AN INTEGRAL INFRARED ILLUMINATOR); AN/PAQ-4B INFRARED LASER AIM LIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT



MODULAR WEAPON WITH: ITT POCKETSCOPE NIGHT VISION DEVICE WITH A 3X MAGNIFICATION LENS ATTACHED WITH A KAC MOUNT; AN/PAQ-4B INFRARED LASER AIM LIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; KAC MODEL QD QUICK-DETACH SOUND SUPPRESSOR



MODULAR WEAPON WITH: ITT POCKETSCOPE NIGHT VISION DEVICE ATTACHED WITH A KAC MOUNT; A COMPLIMENTARY AIMPOINT 5000 REFLEX SIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; KAC MODEL QD QUICK-DETACH SOUND SUPPRESSOR; KAC VERTICAL FOREGRIP

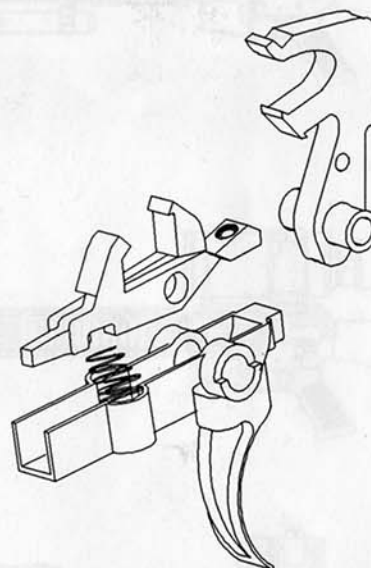


(NOTE THAT THE OPERATOR IS USING NIGHT VISION GOGGLES) MODULAR WEAPON WITH: AN/PAQ-4B INFRARED LASER AIM LIGHT ATTACHED WITH A KAC MOUNT; KAC FLIP-UP REAR SIGHT; KAC MODEL QD QUICK-DETACH SOUND SUPPRESSOR

KAC "TARGET" TRIGGER GROUPS FOR MODULAR WEAPONS



**KAC SEMI-AUTOMATIC
TWO-STAGE "TARGET" TRIGGER GROUP
KAC PART # 94KTSA**



**KAC "GOVERNMENT MODEL" SELECTIVE FIRE
TWO-STAGE "TARGET" TRIGGER GROUP
KAC PART # 94KTAU**

Although not necessarily a component of the Modular Weapon Systems (MWSs), the Knight's Armament Company two-stage trigger groups offer the same added versatility and performance to Modular Weapons as they offer to standard weapons.

The KAC two-stage "target" trigger groups offer a substantial enhancement of semi-automatic accuracy potential over factory single-stage triggers for M16 / M16A1 / M16A2 / military AR-15 / and civilian AR-15 series rifles and carbines.

The factory single-stage trigger mechanism releases the hammer (firing the weapon) after a steady squeeze is applied by the trigger finger. This trigger squeeze requires steadily increasing pressure to overcome the sear spring and mechanical resistance. The "creep" inherent in the factory single stage trigger requires that the shooter take time to "walk" through the trigger pull and find the "let-off point" in order to achieve accurate fire. In semi-automatic mode the KAC two-stage trigger mechanisms release the hammer (firing the weapon) after two distinct amounts of spring and mechanical resistance are overcome by the trigger finger. The initial stage of resistance encountered with this design feels light and is relatively long - approximately 1/8 of an inch. The second stage of resistance feels noticeably greater but is of very short duration. The result is an extremely predictable, consistent, "crisp" trigger pull; semi-automatic fire is both quicker and more accurate because the first stage is quickly overcome and the second stage is crisp and predictable. The KAC "Government Model" selective fire trigger group provides a two-stage trigger pull in semi-automatic mode and a single stage trigger pull in full-automatic mode.

The KAC two-stage target trigger groups are available in both semi-automatic only and selective fire configurations. Models of the semi-automatic or the selective fire two-stage trigger group can be installed in any of the following select-fire rifles and carbines: older M16, M16A1, M16A2, and military AR-15s. The semi-automatic two stage trigger group can be installed in pre-1989 Colt semi-automatic-only AR-15s (civilian) and most non-Colt semi-automatic-only AR-15s (civilian). A special two-stage semi-automatic trigger group kit will be available for post-1989 Colt AR-15s in the future. As an update module for M16A2 rifles and carbines (i.e. M4 Carbine) with 3 round burst control, the two-stage trigger group consists of only three unique KAC parts: hammer, front hook, and rear hook. These parts take the place of the standard hammer, burst cam, clutch spring, burst disconnect, and semi disconnect. In the case of the selective fire trigger group kit, 3 round burst weapons are upgraded to full automatic fire.

NOTE: Although the installation of the KAC selective fire two stage trigger group and other selective fire parts will not convert semi-automatic-only rifles and carbines to full automatic fire, the U.S. Bureau of Alcohol, Tobacco, and Firearms (BATF) will consider such firearms contraband.