

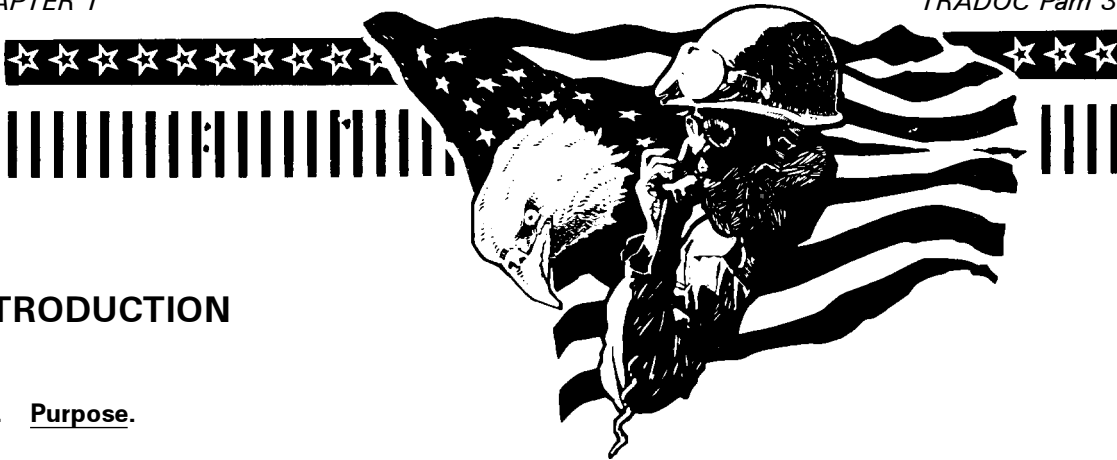
DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY TRAINING
AND DOCTRINE COMMAND
Fort Monroe, Virginia 23651

30 SEP 93

Training

TRADOC
Training Devices for Armywide
Use

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INTRODUCTION

1-1. Purpose.

This pamphlet is published by the U.S. Army Training and Doctrine Command (TRADOC) to describe training devices produced by Training Support Centers (TSC) or acquired through commercial sources to support training Armywide. This device program is centrally managed by the U.S. Army Training Support Center (ATSC), a TRADOC activity located at Fort Eustis, VA.

1-2. Scope.

a. This pamphlet describes the following types of devices:

(1) Devices produced by one TSC and distributed to other TSC under central TRADOC management.

(2) Devices acquired through commercial sources as directed by TRADOC and distributed to TSC.

(3) Devices fabricated from DATA (Drawings for Army Training Aids) packages distributed by ATSC (ATIC-DMF). DATA items cost \$500 or less to fabricate and can be fabricated by most TSC as requested. These devices are designated in the pamphlet as DVC-D.

b. This pamphlet does not describe all devices available through TSC. TSC also have locally designed devices which are not available Armywide; and U.S. Army Materiel Command (AMC) training devices. Further information on devices can be found in the local TSC Catalog, and DA Pamphlet 350-9.

1-3. Organizational Relationships.

a. The U.S. Army Training Support Center is a TRADOC activity to consolidate and expand training support functions. ATSC interfaces with the Major Commands (MACOM) on matters pertaining to policy, requirements, priorities, and distribution of training materiel and maintains a direct channel of communication to TSC.

b. ATSC interfaces directly with AMC through the Simulation, Training and Instrumentation Command (STRICOM) for Training Devices (PM TRADE) located in Orlando, FL. STRICOM is responsible for research, engineering, development, and acquisition of training devices.

1-4. Arrangement of Pamphlet.

a. Chapter 1, Introduction, explains the purpose and use of this pamphlet.

b. Chapter 2, Index of Training Devices, is a numerical listing of the devices in this pamphlet. The system of device designation is similar to that used in DA Pam 350-9, except that DATA devices are indicated by a -D suffix and TRADOC centrally produced devices are indicated by a -T suffix. The first number or numbers indicate the Branch of Service having the most usage for the item. The second number or numbers after the hyphen are sequential numbers which identify the device. Device description sheets are arranged in service branch groupings to assist users in identifying devices related to a specific training application. Branch and series designations are:

<u>PREFIX NO.</u>	<u>BRANCH OF SERVICE</u>
1	Aviation
3	Chemical
5	Engineer
6	Field Artillery
7	Infantry
8	Medical
9	Ordnance
10	Quartermaster
11	Signal
17	Armor
19	Military Police
20	General
21	Individual
23	Weapons
30	Intelligence/Opposing Force
44	Air Defense Artillery
55	Transportation
57	Airborne
99*	Miscellaneous

*FREQUENTLY USED DEVICES OR TEST EQUIPEMENT NOT LISTED IN DA PAM 350-9.

c. Chapter 3, Descriptions of Training Devices, describes training devices which are managed by ATSC and are available for loan to units and institutions through TSC. It includes devices which are produced by one TSC or acquired through a commercial source and distributed to other TSC; and DATA items which can be fabricated by many TSC upon request. When occasions of temporary nonavailability of devices arise, the TSC may seek redistribution of a device from another TSC or may request additional quantities from ATSC.

1-5. Requirements and Distribution.

a. Requirements or suggestions for new devices of the type described in paragraph 1-2a, may be submitted by: a proponent school, a Major Command, a unit, an individual, or a TSC. AR 350-38 provides instructions and formats for submission of requirements to ATSC. Distribution is identified in the appropriate requirements document.

b. Requirements for devices listed in this pamphlet should be directed to the supporting TSC. TSC located within the continental United States, Alaska, Hawaii, the Commonwealth of Puerto Rico, and the Canal Zone are identified in AR 5-9. MACOM which have established TSC systems are TRADOC; U.S. Army Forces Command (FORSCOM); U.S. Army Pacific (USARPAC); U.S. Army Europe and Seventh Army; and Eighth U.S. Army.

c. Requests for items which are not available from the supporting TSC should be directed to the appropriate MACOM. Requests which cannot be filled by the MACOM should be forwarded to ATSC (ATIC-DMF).

d. Training devices in this pamphlet marked limited production are not generally available.

e. Department of Defense Activities other than the Army and Government Agencies requiring devices should contact ATSC (ATIC-DMF).

f. Requests for training devices for Foreign Military Sales should be directed to the U.S. Army Security Assistance Center, Alexandria, VA.

1-6. References.

a. AR 5-9, Intraservice Support Installation Area Coordination.

b. DA Pam 350-9, Index and Description of Army Training Devices.

c. AR 350-38, Training Device Policies and Management.

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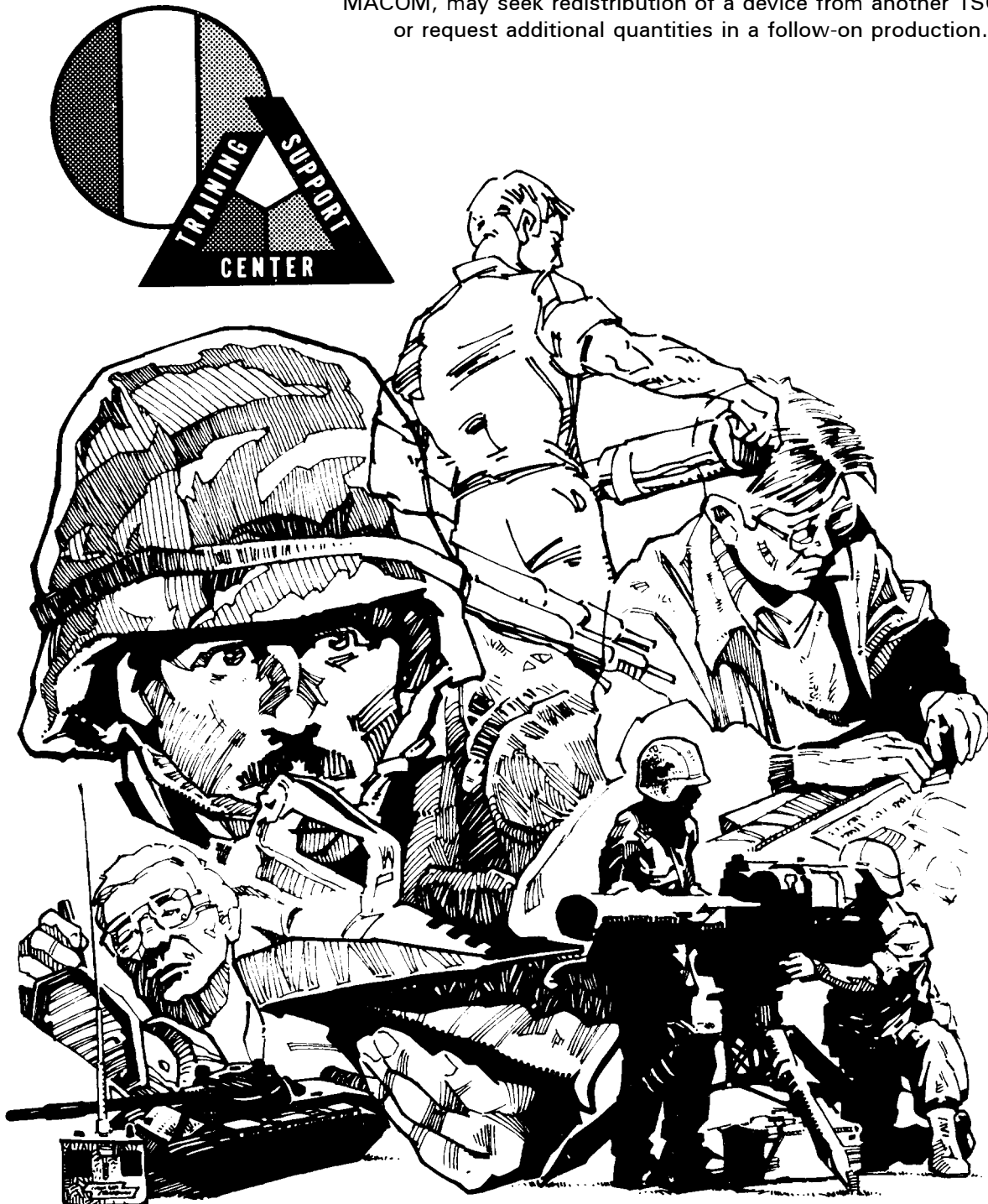
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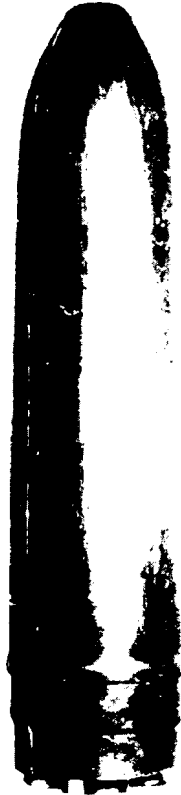
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DESCRIPTIONS OF TRAINING DEVICES

Training devices described in this Chapter are produced for Armywide use under ATSC management and made available for loan to units and institutions through the TSC system. These devices include those centrally produced by a TSC or a commercial source and distributed to other TSC to loan, and DATA items which can be fabricated on request by a local TSC (if not already fabricated and available). While occasions of temporary nonavailability may arise, the TSC, through the MACOM, may seek redistribution of a device from another TSC or request additional quantities in a follow-on production.



INERT CEV ROUND, 165MM



DVC-T 05-40

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC (limited production).

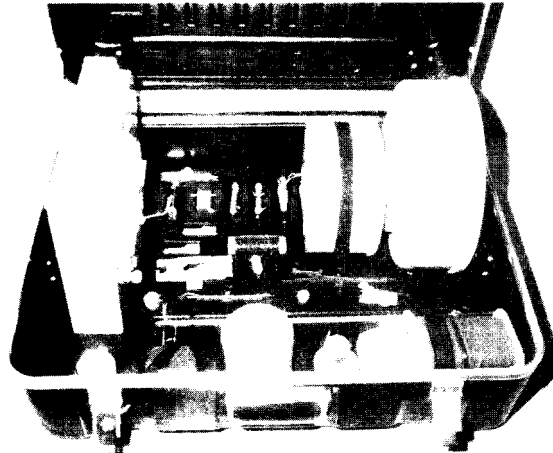
DESCRIPTION

A full scale reproduction in plastic of the 165mm CEV round.

TRAINING APPLICATIONS

Allows safe, realistic ammunition handling training.

PLACED TRAINING MINE KIT



DVC-T 05-41

LOGISTIC RESPONSIBLE COMMAND, SERVICE OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

DESCRIPTION

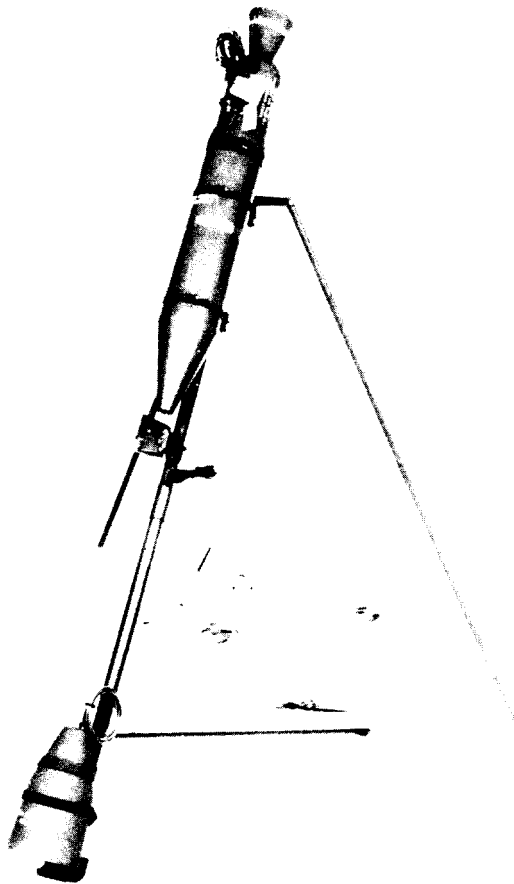
The kit is packaged in a durable, man portable carrying case with foam liner. Components of the kit are:

1. Mines:
 - (a) M14, M16A2, M18A1 Antipersonnel
 - (b) M15, M19, M21 Antitank
2. Antihandling Devices:
 - (a) M1, M1M1, M3, MS, M142
3. Fuzes:
 - (a) M603, M605, M607
4. Wrenches:
 - (a) M20, M22, M25, M26
5. Miscl. Items:
 - (a) M1 and M2 Activators
 - (b) M120 Booster
 - (c) Spool of trip wire

TRAINING APPLICATION

The PTM kit is used to demonstrate and practice arming and disarming procedures of mines and booby traps. Mines produce an audible sound when detonated.

M270 CRATERING KIT



DVC-T 05-42

LOGISTIC RESPONSIBLE COMMAND, SERVICE OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

DESCRIPTION

The M270 Demolition Cratering Training Kit simulates the M180 in size and weight. The Training kit's major components are an inert 15 lb shaped charge, a simulated M57 (Claymore) firing device and an inert, rocket propelled 40 lb cratering charge. These components are mounted on one leg of a tripod assembly.

TRAINING APPLICATION

The M270 Cratering Kit is used to train the 12B soldier in procedures for emplacing, assembling, and firing of the M180 Cratering Demolition Kit.

BANGALORE TORPEDO DEMOLITION KIT TRAINER

**FOR ILLUSTRATIONS
SEE FM 5-25
Drawings on file at local TSC**

DVC-T 05-43

LOGISTIC RESPONSIBLE COMMAND, SERVICE OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

DESCRIPTION

Components replicate the actual Bangalore Torpedo. Tubes are filled with dry sand before use.

TRAINING APPLICATIONS

The inert Bangalore Torpedo Kit is used to train units that have a requirement to employ an inert Bangalore Torpedo to AMTP standards (task number 5-4-0310 as required by DA Pam 350-38 Standards in Weapons Training.

DEMOLITION EFFECTS SIMULATOR

NO PICTURE

DVC-D 05-46

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Data package can be obtained from local Training Support Center.

DESCRIPTION

Data package will provide information on DES devices to include descriptions, suggested operational uses, bills of material, and specifications for assembly. These devices can replace real demolitions and soldiers can practice appropriate SOT steps and safety procedures.

The package consists of nine different simulators:

- M5A1 Block
- 1 lb TNT Block
- M37 Satchel Charge
- M112 C-4 Block
- 15 lb Shape Charge
- 40 lb Shape Charge
- 40 lb Cratering Charge
- Bangalore Torpedo
- M118 Sheet Explosive

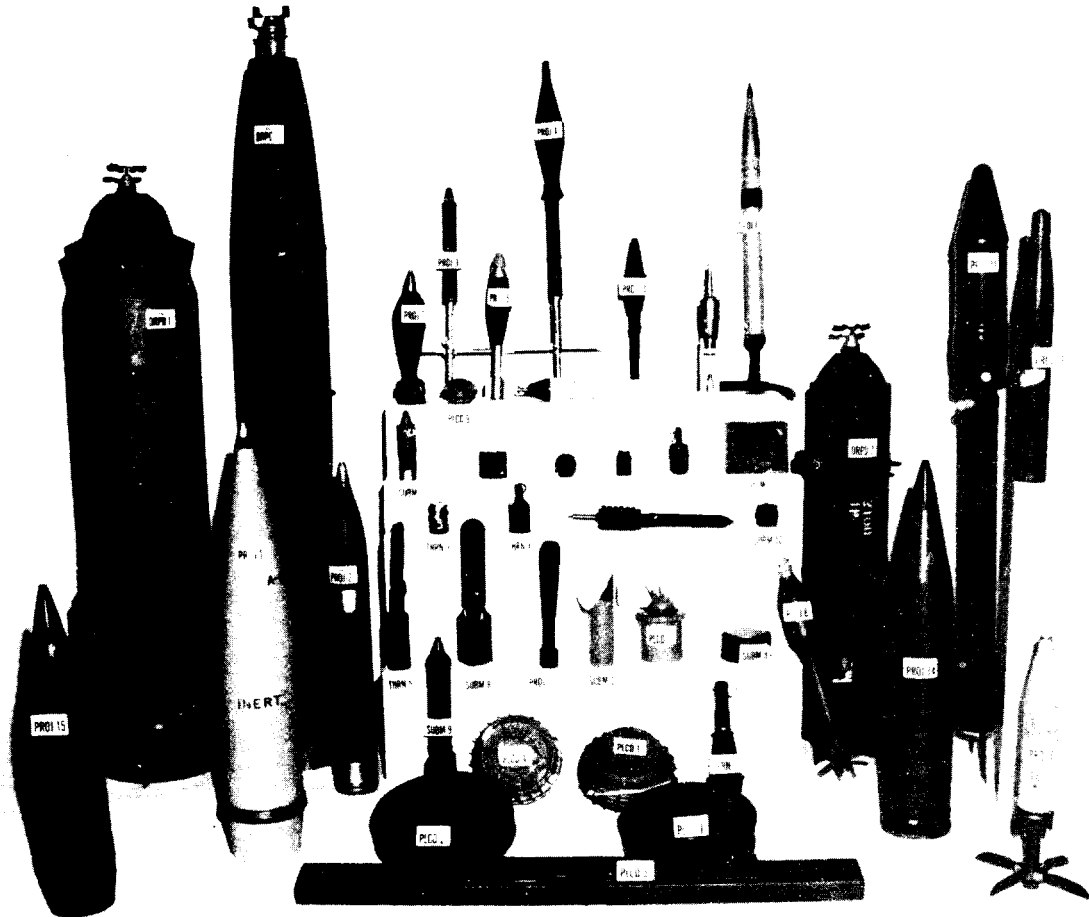
The DES Data Package includes all information needed to construct and safely employ these devices. This includes a brief overview of the DES program, Basic Priming Methods, Description and Drawings for each DES, Safety Procedures and Risk Assessments, Sources, Resources and References.

TRAINING APPLICATIONS

These devices can simulate blowing mines in place, destroying timber trestle bridges, destroying captured equipment and supplies, blowing road craters and gaining access to a building during MOUT operations.

UNEXPLODED ORDNANCE (UXO) TRAINING AIDS

DVC-T 05-47



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC (limited quantities).

DESCRIPTION

Plastic and Metal replica of Explosive Ordnance items.

TRAINING APPLICATIONS

These items are divided into one of the four types: Dropped, Projected, Thrown and Placed. They are designed to be used for classroom and outdoor instruction for UXO training. Each element that will be conducting training will require at least one item from each of the four types. The items will be issued separately, this is not designed to be issued as a "package". There are sufficient items for several elements to be training at the same time.

REFERENCE PUBLICATIONS

FM 21-16
STP 21-24-SMCT

TRAINING REQUIREMENTS SUPPORTED

Common Tasks:

093-403-5010
093-403-5020
093-403-5030

TRAINING MINE MOLDS CONCRETE CONSTRUCTION

**DVC-D 05-48A, M-21 Mine Mold
DVC-D 05-48B, M-16 Mine Mold
Drawings on tile at local TSC**

LOGISTIC RESPONSIBLE COMMAND, SERVICE OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

DATA package available at local Training Support Center.

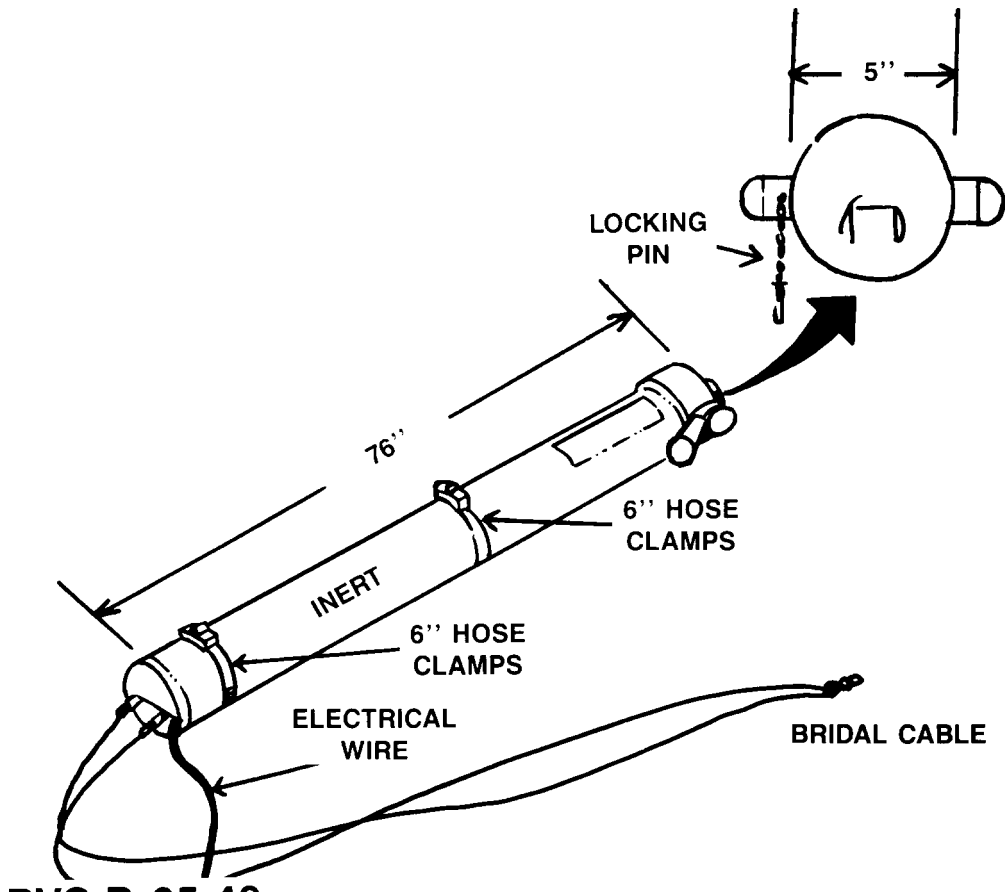
DESCRIPTION

Thermoformed plastic molds to be used as a form for local fabrication of concrete training mines. The DATA package provides all information needed to make the mines.

TRAINING APPLICATION

Concrete mines are the interim solution for collective and force-on-force training and will be used until the Mine Effects Simulator Mine is available. Shipping plugs, boosters and fuzes for use with the concrete mine are available through the TSC.

MK22 MOD 4 ROCKET MOTOR (INERT)



DVC-D 05-49

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

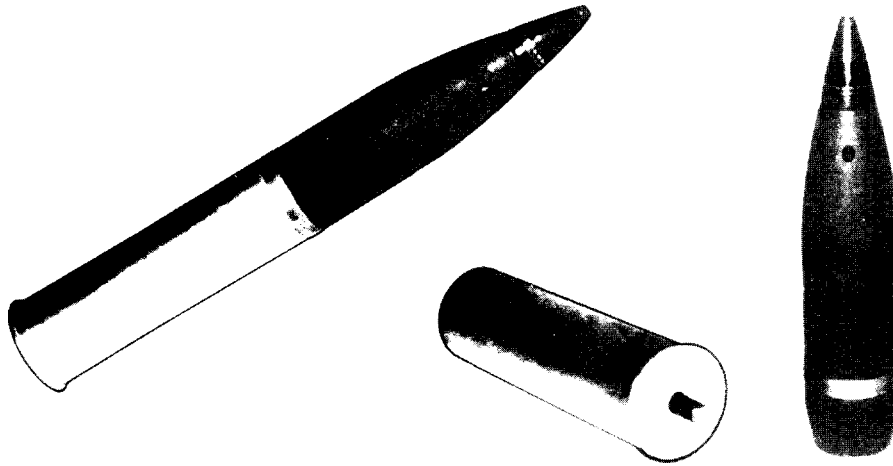
DESCRIPTION

The inert MK22, Mod 4, Rocket Motor is a 5 foot, sand tilled, PVC pipe with rocket exhausts, clamps and simulated electrical connectors.

TRAINING APPLICATION

The inert MK22, Mod 4 will enable the commander to conduct training on the Mine Clearing Line Charge with the highest degree of realism. The inert rocket can be incorporated into the firing circuit for training, and placed into a launch position.

ARTILLERY AMMO HANDLER'S TRAINING ROUND (105mm)



DVC-T 06-81

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC. (Not in production.)

DESCRIPTION

A modification of the 105mm Howitzer projectile which provides a realistic signature effect and allows the crew to exercise the full range of tasks associated with the preparation and firing of the round.

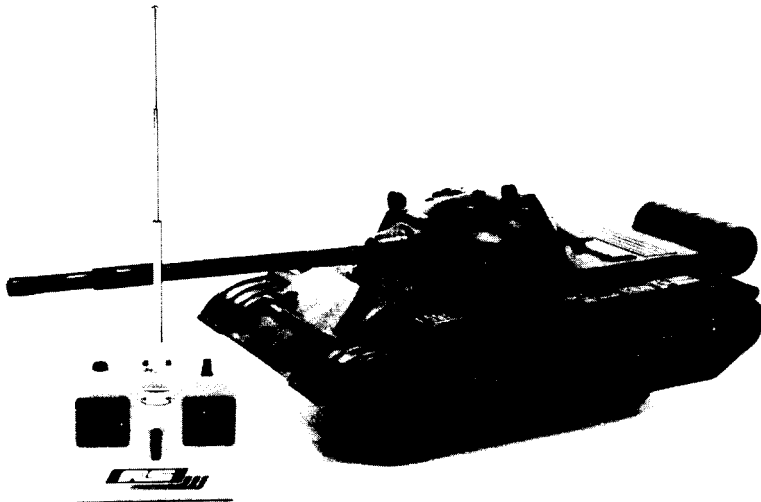
TRAINING APPLICATIONS

Allows safe and realistic training in the handling and firing of the 105mm Howitzer round in gun parks or other exercise areas by providing an audible signature to the training round.

FUNCTIONAL DESCRIPTION

The round uses a standard 105mm cartridge case, inert projectile, and inert mechanical time fuze. The three pieces are center-bored to accommodate a 13/16 inch pipe "barrel" that chambers a 10 gauge blank shotgun shell in the base of the cartridge case. Reusable facsimiles of powder charges permit training in cutting and inspection of the charge. The round is the same weight and size of the actual M1 HE round. Color is OD with a two inch wide blue band painted forward of the rotating band. The ten gauge blank shotgun shells are acquired separately through normal ammunition supply channels.

MINIATURE MOVING TARGET DVC-T 06-82



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at some TSC. (Use until supplies are exhausted.) (Not in production.)

DESCRIPTION

The Miniature Moving Target (MMT) is a semi-remote controlled wheeled device covered by a plastic skin shaped to be a scaled replica of the T-62 tank. It simulates the movement of a tank on a reduced scale range.

TRAINING APPLICATIONS

The MMT allows realistic training in perfecting the procedures used to engage moving targets with indirect fire during training with the subcaliber device, and gives gun crews realistic training in indirect fire techniques while training with the subcaliber device.

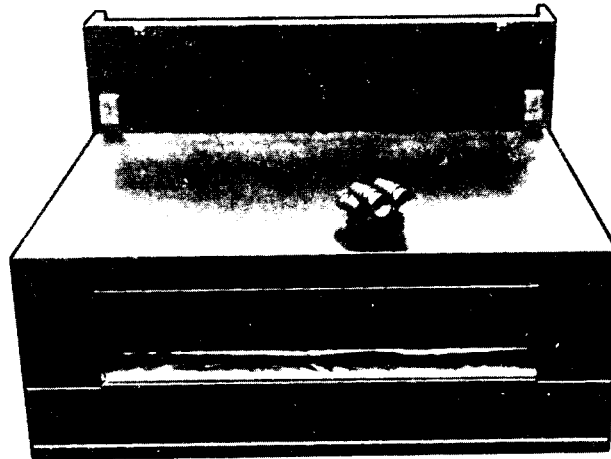
FUNCTIONAL DESCRIPTION

The MMT is powered by two 12 volt Lead Acid Batteries and driven by two 12 volt DC electric drive wheel assemblies. Steering is accomplished by a single front wheel design which operates on a fixed track of rope, wire rope, rubber hose, etc., up to 1 inch in diameter. The vehicle speed is controlled by a Remote Radio Transmitter with a receiver and servomechanism located in the vehicle. The transmitter and receiver each have their own NI-CAD battery packs.

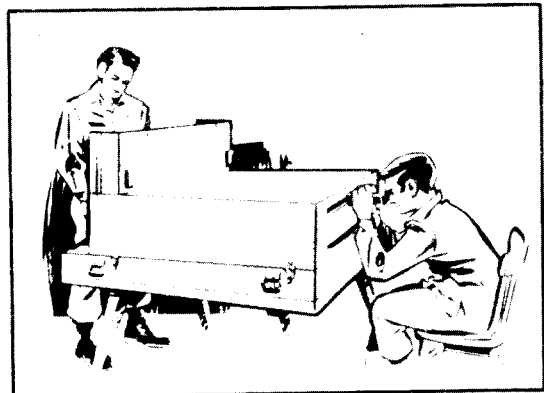
TRAINING REQUIREMENTS SUPPORTED:

ARTEP 6-105, 6-365, 6-165(1 3B) (1 3F)

**FORWARD OBSERVER TRAINER (FOT)
DVC-T 06-85**



DVC-T 06-85



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC (limited production).

DESCRIPTION

A three-dimensional enclosed arcade type terrain board used to train forward observers in the placing and adjustment of fire from the ground or from the air.

TRAINING APPLICATIONS

The FOT is used for training forward observers on grid coordinates, shift from a known point, polar point, and mark center section. It is inexpensive, portable, simple, and requires minimal training space. It was constructed for U.S. Army Reserve and National Guard field artillery units in lieu of the puffboard which is an expensive, permanent training device utilizing a significant amount of space.

FUNCTIONAL DESCRIPTION

The table top trainer is enclosed in a plywood box approximately 4' x 4' x 1'. A viewing aperture at the base of the box gives the trainee a ground level view similar to that seen when adjusting fire from the ground. A viewing slot near the top of the box provides a downward view of the board and provides a training vehicle for simulating aerial adjustment of fire.

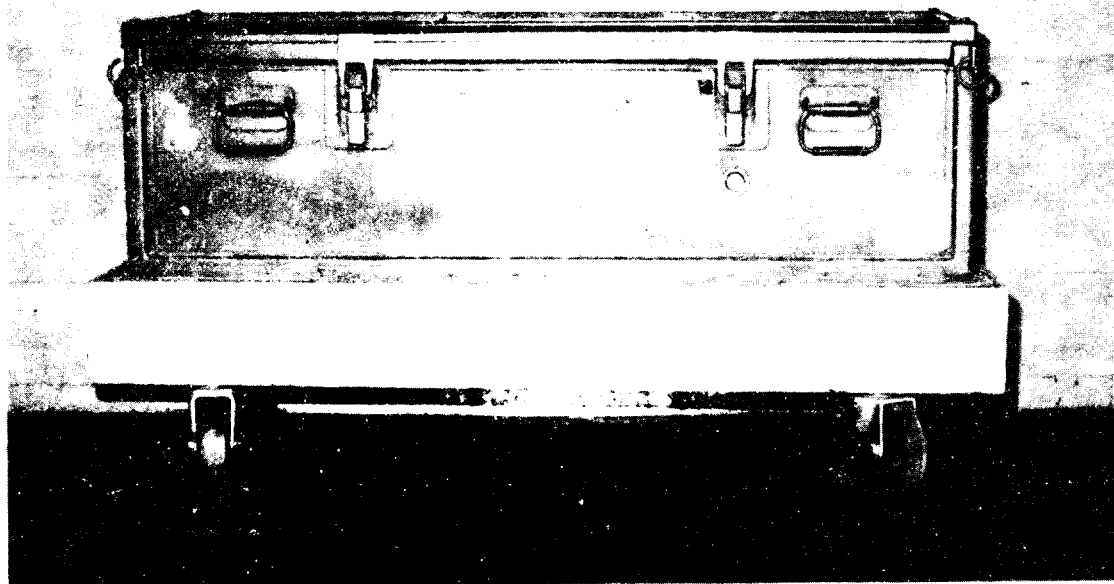
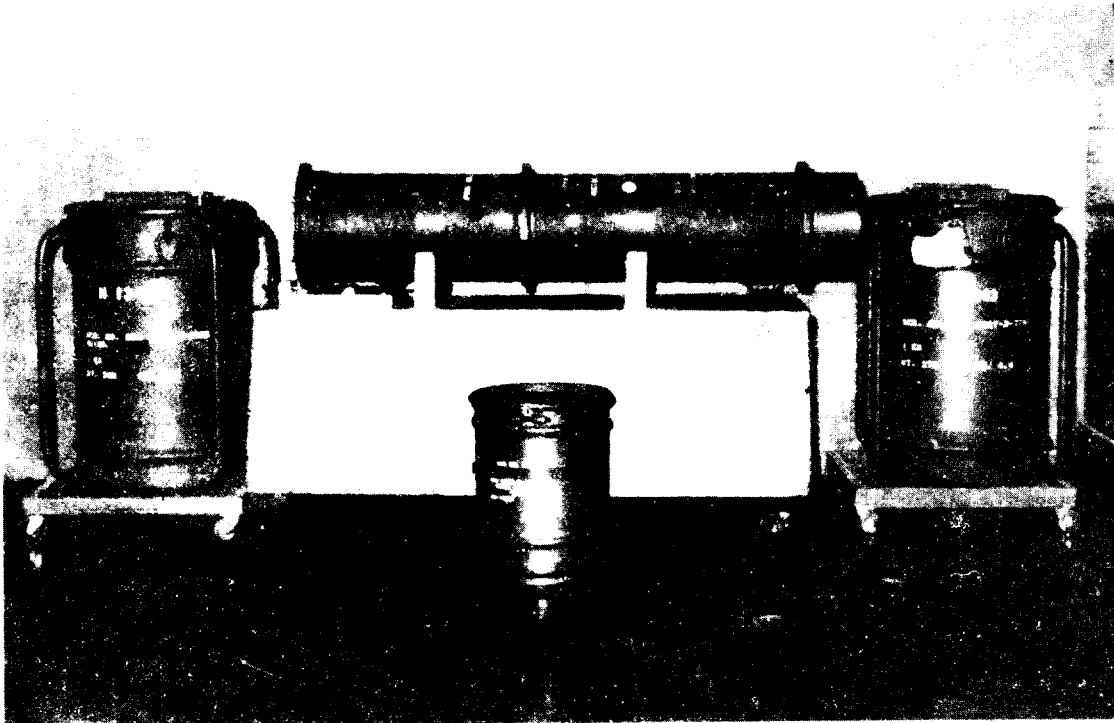
PHYSICAL INFORMATION

The FOT is powered by 110 volts or 12 - 24 volt batteries. It uses a moveable penlight underneath the map to simulate the burst of the round. The light may be repositioned to any grid and oriented for observer target direction. Inside the box is a plastic vacuum formed relief map; also provided are special binoculars, scaled targets, and training material kit.

TRAINING REQUIREMENTS SUPPORTED:

ARTEP 6-105, 6-365, 6-165 (1 3F).

155MM AND 8 INCH HOWITZER NUCLEAR WEAPON TRAINER CONTAINERS



DVC-T 06-86

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at some TSC. (Use until supplies are exhausted.) (Not in production.)

DESCRIPTION

Devices are simulated containers which are exact replicas of 155mm and 8 inch nuclear projectile containers used to train loading of full scale items.

TRAINING APPLICATION

The containers allow realistic training and evaluation of Field Artillery cannon units under Change 1, ARTEP 6-165 and 6-365. To meet the required training, the items are built to scale, are properly ballasted, and meet all requirements related to transportation and tiedown procedures.

PHYSICAL INFORMATION

The 155mm Nuclear Weapons Container Simulator is a rectangular box 54-1/2" long, 18-1/4" wide at the skids and 19-3/4" high, made to scale and ballasted to a weight of 200 to 225 pounds.

The container simulators are composed of three packages:

- a. The 1 of 2 package is a cylindrical metal container 48-1/2" long and 11-1/2" in diameter ballasted to approximately 180 pounds.
- b. The 2 of 2 package is a round metal container, 15" high, 12" in diameter at the base, and 12-5/8" diameter at the top, due to the locking ring, ballasted to approximately 25 pounds.
- c. The H1343 container is a round metal container with four tubular arms 90 degrees apart on the container. The container is 26" high, 17" diameter at the base, and 18" diameter at the top due to the locking ring, with an overall width of 24" from arm to arm ballasted to approximately 200 pounds.

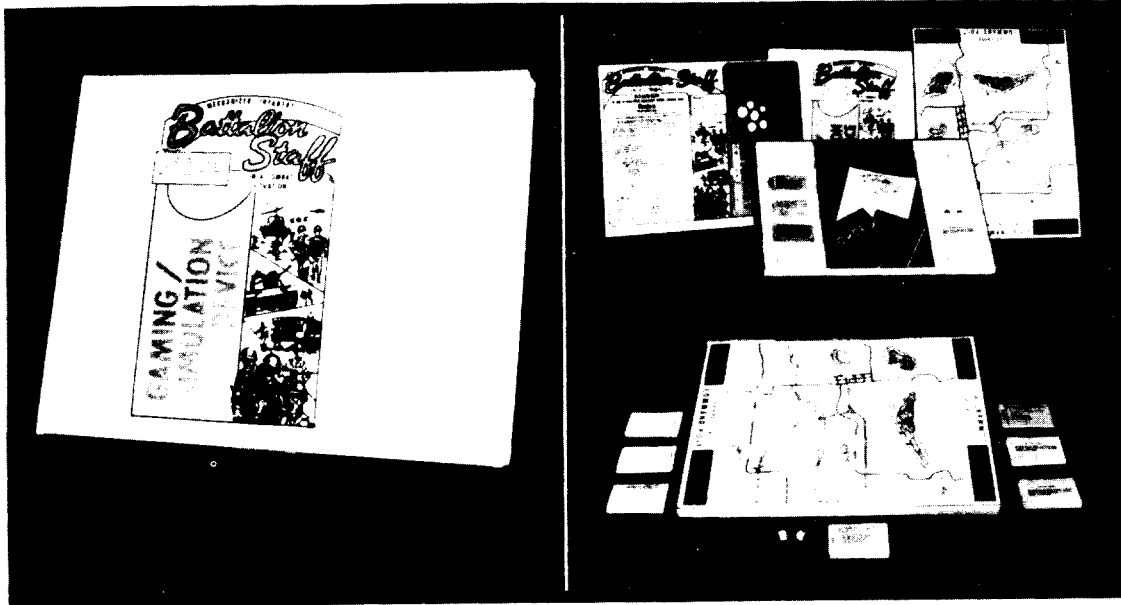
REFERENCE PUBLICATIONS:

TM 9-1100-204-20
TM 9-1100-218-20

TRAINING REQUIREMENTS SUPPORTED:

ARTEP 6-365, 6-165, ASI3K

BATTALION STAFF GAME



DVC-T 07-81

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC. (Not in production.)

DESCRIPTION

A three-dimensional game which teaches staff procedures and the applications of tactics and fire support through the medium of gaming simulation.

TRAINING APPLICATIONS

The Battalion Staff Game requires players to interact in answering questions pertaining to tactics, doctrine, staff functions, and weapons employment at battalion level. Effective staff planning, coordination, and interaction are requisites for gaming success. This game can be used as an orientation for newly assigned battalion staff personnel or as refresher training prior to Command Post/Field Training.

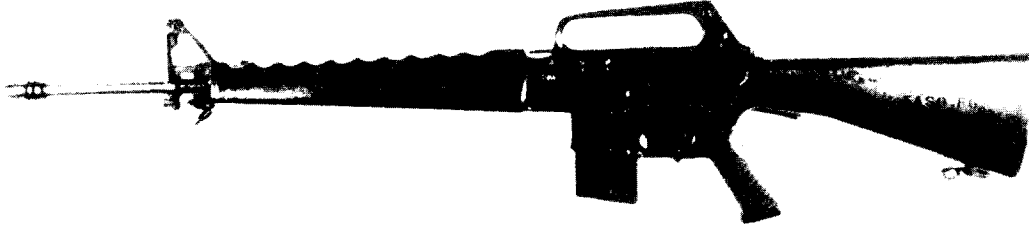
FUNCTIONAL DESCRIPTION

The Battalion Staff Game is designed to be played by two or more players. The Game consists of a terrain board, Opposing Force operations orders, player pieces which represent maneuver units and weapons systems, question and answer cards, and dice.

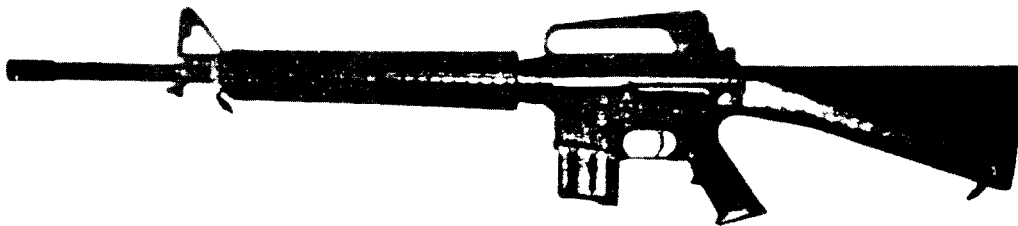
TRAINING REQUIREMENTS SUPPORTED:

ARTEP 7-15 and 71-2.

**M16A1 PLASTIC RIFLE
DVC-T 07-83A**



**M16A2 PLASTIC RIFLE
DVC-T 07-83B**



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

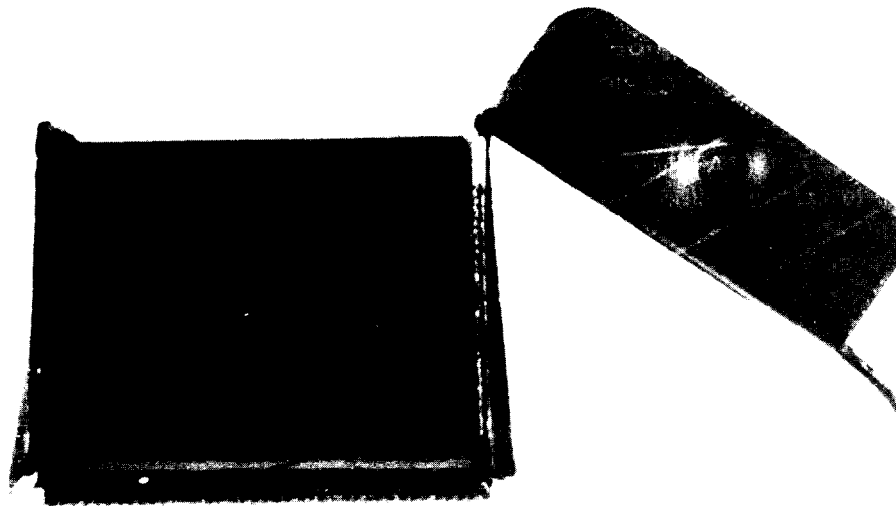
DESCRIPTION

A full-scale, three dimensional plastic replica of the M16a1 Rifle with a modified barrel.

TRAINING APPLICATION

This device can be used for drill and ceremony instruction, physical training, and demonstrations.

M16 SIGHTING DEVICE



DVC-T 07-84L (Left Hand Shooters) DVC-T 07-84R (Right Hand Shooters)

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A metal frame that is attached to the rear of the M16A1 rifle carrying handle; one device is issued for right-handed firers and one is issued for left-handed firers. A piece of smoked plexiglass is inserted in the frame to allow a coach to view the firers aiming point. Also known as the Cheater or Belgian Sight.

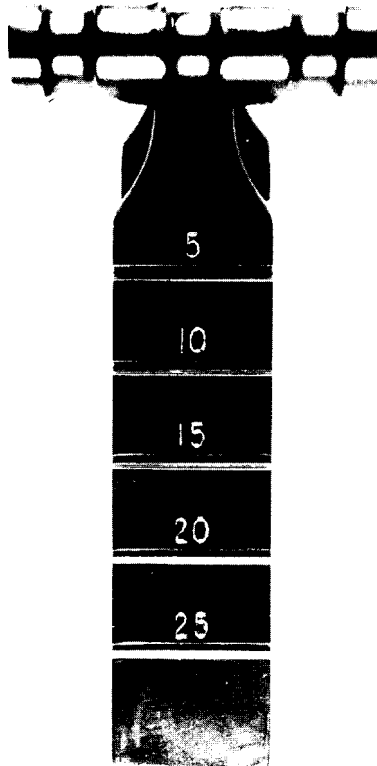
TRAINING APPLICATION

The M16 Sighting Device allows coaches to insure their firers are aiming correctly at the targets.

FUNCTIONAL DESCRIPTION

The device slips onto the rear of the carrying handle for the M16A1 rifle. When the firer looks through his sights, the coach, positioned alongside the firer, can look at the reflection on the tinted glass and view the same picture as the firer.

M16 RIFLE MAGAZINE ROUNDS COUNTER



DVC-T 07-85

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A hammer shaped plastic device which has graduations from 5 to 30 for measuring ammunition in 5 round increments.

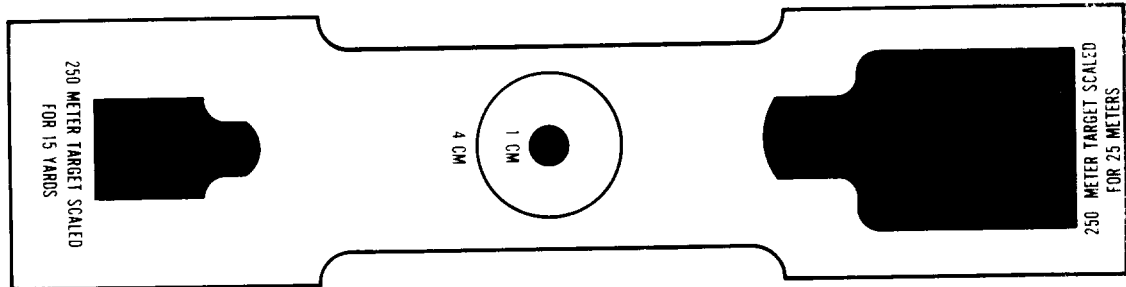
TRAINING APPLICATIONS

This device is used for accurately measuring the number of rounds in a magazine. Use of it not only saves loaders time, but insures that each soldier has the proper number of rounds for each exercise.

FUNCTIONAL DESCRIPTION

The handle of the device is placed into the magazine and forced down as far as it will go into the magazine. The loader looks at the graduations and instantly knows whether the magazine has enough ammunition in it. It can also be used to insure that a magazine functions properly before loading.

TARGET BOX PADDLE



DVC-T 07-86

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A plate of plexiglass, 12 5/8" in length, with a silhouette target (scaled for 250 meters at 25 meters and 15 yards) on each end. On the center of the handle there are 2 circles (4cm and 1cm). The smaller one is for checking the shot group size during the target box exercise and the larger circle is for the live fire exercise.

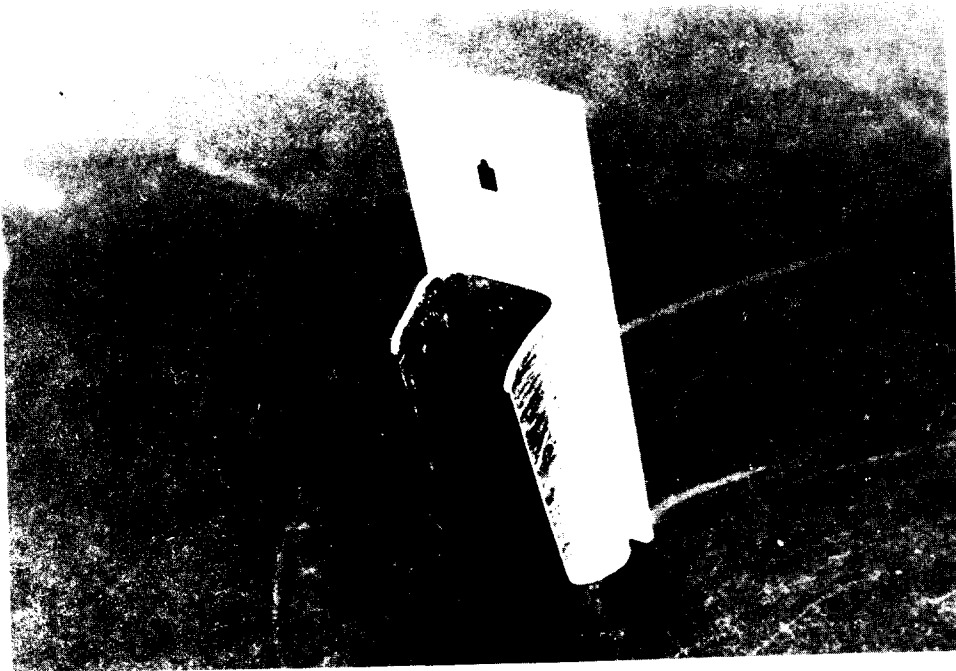
TRAINING APPLICATION

Practicing with this device insures that firers can find the same aiming point each time they fire.

FUNCTIONAL DESCRIPTION

Firers look through the sights of an M16A1 (in a cradle) and tell their counterparts down-range in which direction they need to move the target paddle to achieve proper aiming point. When the proper aiming point is achieved, the assistants mark the target board. Firers need to have 3 out of 3 shots within the 1cm circle to receive a go on the exercise.

RIDDLE SIGHTING DEVICE



DVC-T 07-87

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A silhouette target printed on a plastic strip which adheres to a small metal frame that attaches to the front sight of the M16A1 Rifle.

TRAINING APPLICATION

The device is used to insure that firers can obtain a correct sight picture with their own weapons.

FUNCTIONAL DESCRIPTION

The device is attached to the front sight post and then moved until the firer obtains the correct sight picture.

TOW MOCKUP TRAINING DEVICE (1:1 SCALE)



DVC-T 07-89

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC (Limited Production)

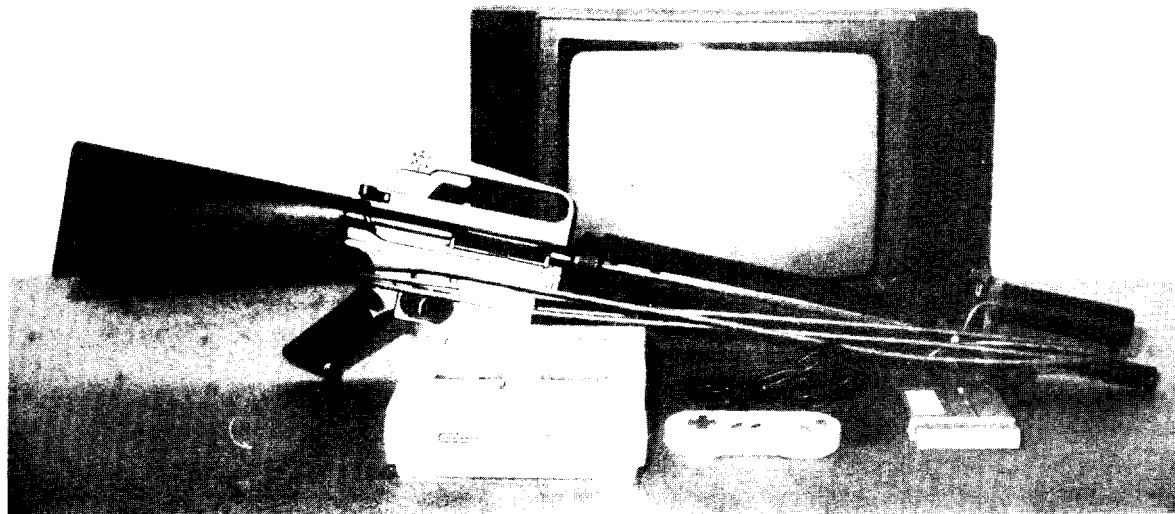
DESCRIPTION

A 1:1 full scale three dimensional replica of the M220 basic tow.

TRAINING APPLICATIONS

Non-functional mock-up designed to enhance the realism for tow missile classroom and field training.

MULTIPURPOSE ARCADE COMBAT SIMULATOR (MACS)



DVC-T 07-90

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

The acquiring unit is responsible for the maintenance and replacement or repair of nonfunctioning parts which can be purchased through the local TSC.

SOURCE AND METHOD OF OBTAINING:

MACS is available on a cost reimbursable basis only. Units should initiate orders through their local TSC.

DESCRIPTION

The MACS is a rifle marksmanship sustainment training device based on a "Super Nintendo" system. A light pen attached to a surrogate M16 rifle provides the interface between the weapon and monitor on which the training programs are displayed.

TRAINING APPLICATION

MACS has application in the sustainment of shooting skills, especially sight picture, sight alignment, trigger squeeze and breath control. Programs are provided which are intended to take the shooter from basic fundamentals through engagement of moving targets. Feedback and remediation exercises are fundamental to the programs. Use of the device in a structured bimonthly program has been shown to provide necessary sustainment of shooting skills.

**ROCKET AND PROJECTILE FUZE KIT
FORMER USSR INERT**

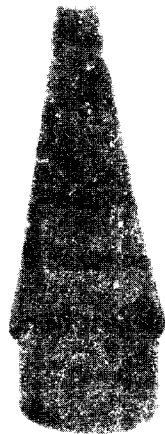


GVMZ-1

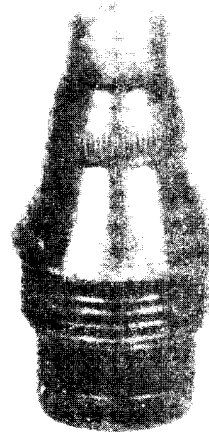


GVMZ-7

B-37



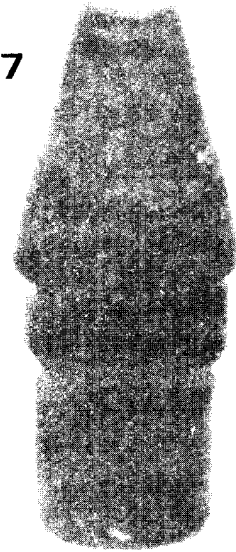
M-1



T-1



A-37



M-5



DVC-T 09-31

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC (limited production).

DESCRIPTION

A full-scale, three dimensional plastic replica of a foreign nation's fuze kit: GVMZ-1, GVMZ-7, B-37, M-1, M-5, T-1, A-37.

TRAINING APPLICATIONS

These devices are used for classroom and field identification and render safe procedures to support training of EOD personnel.

REFERENCE PUBLICATION:

AR 75-15

TRAINING REQUIREMENTS SUPPORTED:

(1) FM9-55D1/2:

- | | |
|------------------|---|
| (a) 093-401-1106 | Identify land mines and associated components. |
| (b) 093-401-1108 | Identify foreign munitions. |
| (c) 093-401-1181 | Perform demolition operations using non-electric firing procedures. |
| (d) 093-401-1182 | Perform demolition operations using electric firing procedures. |
| (e) 093-401-1221 | Locate buried unexploded ordnance. |
| (f) 093-401-1222 | Gain access to buried ordnance. |
| (g) 093-401-1224 | Recover buried ordnance. |
| (h) 093-401-1227 | Transport hazardous material by vehicle. |
| (i) 093-401-1228 | Store hazardous material. |
| (j) 093-401-1381 | Prepare a disposal site. |
| (k) 093-401-1385 | Detonate munitions. |
| (l) 093-401-2108 | Identify foreign munitions and fuzes for application of EOD procedures. |
| (m) 093-401-2141 | Identify hazards associated with unexploded ordnance. |

(2) FM 9-55D3:

- | | |
|------------------|--|
| (a) 093-401-3142 | Determine EOD procedures on surface unexploded ordnance. |
| (b) 093-401-3221 | Direct recovery of buried ordnance. |

(3) FM 9-55D4:

- | | |
|------------------|---------------------------|
| (a) 093-401-4302 | Plan minefield breaching. |
|------------------|---------------------------|

(4) FM 9-55D5:

- | | |
|------------------|--|
| (a) 093-401-5381 | Plan disposal operations of conventional explosives. |
|------------------|--|

(5) ARTEP 9-520:

Task No. 1 thru 3: Provide conventional EOD support to CONUS and field units.

EOD DEVICES DVC-T 09-32 THRU DVC-T 09-127/2

NOT PICTURED

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Items are issued to EOD units through their Training Support Centers (TSC), on an annual basis, in accordance with a Basis of Issue provided by the proponent.

DESCRIPTION

DVC-T 09-32 thru DVC-T 09-127/2 listed on pages 3-xx thru 3-xx are full scale replicas of U.S. and foreign bombs, rockets, projectiles, fuzes and mines.

TRAINING APPLICATIONS

These devices are primarily used to teach and practices Render Safe Procedures to support training of EOD personnel.

REFERENCE PUBLICATION

AR 75-15

TRAINING REQUIREMENTS SUPPORTED

- (1) FM 9-55D1/2:
 - (a) 093-401-1106 Identify land mines and components.
 - (b) 093-401-1108 Identify foreign munitions.
 - (c) 093-401-1181 Perform demolition operations using non-electric firing procedures.
 - (d) 093-401-1182 Perform demolition operations using electric firing procedures.
 - (e) 093-401-1221 Locate buried unexploded ordnance.
 - (f) 093-401-1222 Gain access to buried ordnance.
 - (g) 093-401-1224 Recover buried ordnance.
 - (h) 093-401-1227 Transport HAZMAT by vehicle.
 - (i) 093-401-1228 Store HAZMAT
 - (j) 093-401-1381 Prepare a disposal site.
 - (k) 093-401-1385 Detonate munitions.
 - (l) 093-401-2108 Identify foreign munitions and fuzes for application of EOD procedures.
 - (m) 093-401-2141 Identify hazards associated with UXO.

- (2) FM 9-55D3:
 - (a) 093-401-3142 Determine EOD procedures on surface UXO.
 - (b) 093-401-3221 Direct recovery of buried ordnance.

- (3) FM 9-55D4:
 - (a) 093-401-4302 Plan minefield breaching.

- (4) FM 9-55D5:
 - (a) 093-401-5381 Plan disposal operations of conventional explosives.

- (5) ARTEP 9-520:
 - (a) Task Numbers 3-III-1 thru 3-III-5
Neutralize the hazards in domestic and foreign conventional, chemical, nuclear, unknown and improvised explosive devices (IED's).

DVC-T	DESCRIPTION
09-31	Fuze Kit
09-34/1	Projectile, (WP), DTS-1
09-34/3	Projectile, (WP), D462
09-36/1	Soviet Mortar (WP), D-832, 82mm
09-37	Projectile (HE), OF-462, 122mm, Former Soviet
09-38	Czech Projectile (WP), 500-1
09-39	Mine AI—' TM62M, Former Soviet
09-40	Bomb, HE, Frag, OFAB-250, Former Soviet
09-41	Bomb, Incendiary, ZAB 2.5, Former Soviet
09-42	Bomb, PTAB 2.5, Former Soviet
09-43	Mine, AP, Bounding, OZM-3, Former Soviet
09-43/1	Mine, TM-57, Former Soviet
09-43/2	Mine, TM-46, Former USSR
09-47	Projectile, HE, RAP, OF-23, 180mm
09-48/1	Projectile, Grenade, PG9
09-48/2	Projectile, Grenade, PG7M
09-49	Bomb, Cluster; PTAB 500-225, Former Soviet
09-51	Bomb, Cluster, PTAB 250, Former Soviet
09-52	Bomb, AT, PTAB 1.5, Former Soviet
09-53/1	Rocket & Proj. Fuze VM30, Former Soviet
09-53/2	Rocket & Proj. Fuze VM30L, Former Soviet
09-53/4	Rocket & Proj. Fuze RGM2, Former Soviet
09-53/5	Rocket & Proj. Fuze VM60, Former Soviet
09-53/6	Rocket & Proj. Fuze KTM-1, Former Soviet
09-53/7	Rocket & Proj. Fuze KTM-1U, Former Soviet
09-53/8	Rocket & Proj. Fuze MGZ-57, Former Soviet
09-53/9	Rocket & Proj. Fuze M-6, Former Soviet
09-53/10	Rocket & Proj. Fuze M-12, Former Soviet
09-53/11	Rocket & Proj. Fuze GK-2, Former Soviet
09-53/12	Rocket & Proj. Fuze V-429, Former Soviet
09-53/13	Rocket & Proj. Fuze MRV-42, Former Soviet
09-53/14	Rocket & Proj. Fuze MG-57, Former Soviet
09-53/15	Rocket & Proj. Fuze V-25, Former Soviet
09-53/17	Rocket & Proj. Fuze DKZB, Former Soviet
09-53/18	Rocket & Proj. Fuze VSK, Former Soviet
09-53/19	Rocket & Proj. Fuze V-90, Former Soviet
09-55	Mine OKT-8, Former Soviet
09-56	Bomb, PROSAB 250
09-56/1	Projectile
09-57	Bomb, PTAB 2.5M, Former Soviet
09-58/1	Fuze, T-7, Former Soviet
09-58/2	Fuze VDM, Former Czech
09-58/3	Fuze GPV-2, Former Soviet

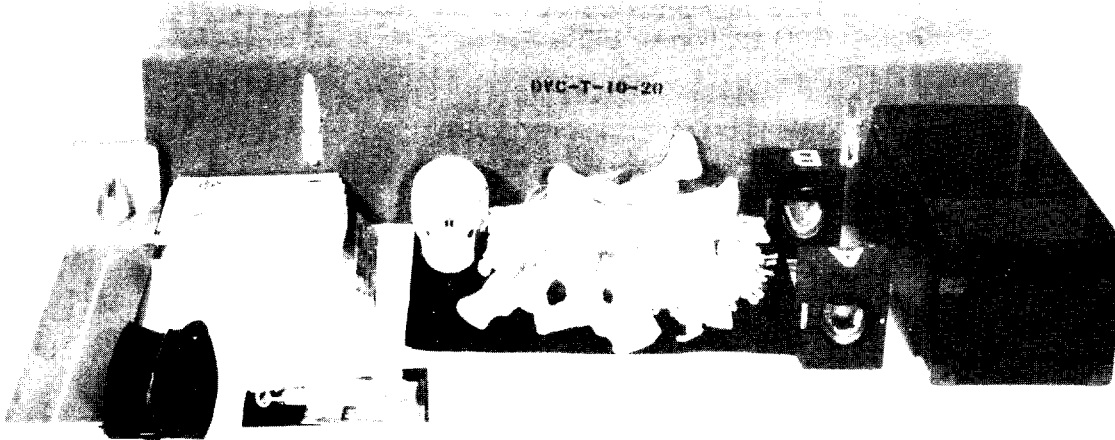
DVC-T	DESCRIPTION
09-58/4	Fuze NZ-60V, Former Czech
09-58/5	Fuze Proj. PD30-BD Former Czech
09-59/1	Mortar HE, M66, 81 mm, Former Yugoslavia
09-59/2	Mortar S-843, 120mm, Illum. Former Soviet
09-59/3	Mortar D-5, 120mm, Smoke, Former Soviet
09-59/4	Mortar M56, 120mm, HE, Former Yugoslavia
09-60/1	Rocket S-5K, 57mm, HEAT, Former Soviet
09-60/2	Rocket RP-2, 130mm, HE, Former Czech
09-60/3	Rocket Type 63, 107mm, HE, (PRC)
09-60/4	Rocket M-14-OF, 140mm, HE, Former Soviet
09-61	Grenade, Rifle, HEAT, M57 w/Fuze UTI M61
09-62/1	Proj. HE, Frag, OF-412, 100mm, Former Soviet
09-62/2	Proj. Frag. OF-415, 100mm, Former Soviet
09-62/3	Proj. HEAT, BK-881, 82mm, Former Soviet
09-62/4	Proj. PSV, 85mm, AP, Former Czech
09-62/5	Proj. PSV, 100mm, AP, Former Czech
09-63/1	Proj. BK-883, HEAT, 107mm, Former Soviet
09-63/2	Proj. OF-18, Frag, 115mm, Former Soviet
09-63/3	Proj. C-463, 122mm, Illum. Former Soviet
09-63/4	Proj. OF-482, 130mm, HE/Frag, Former Soviet
09-63/5	Proj. DTS-1, 130mm, Tgt Marker, Former Soviet
09-63/6	Proj. CP-46, 130mm, Illum. Former Soviet
09-63/7	Proj. BR482B, 130mm, AP, Former Soviet
09-63/8	Proj. OF, 152mm, Former Czech
09-63/9	Proj. G543, 152mm, Former Soviet
09-63/10	Proj. M31/37, 122mm, Former Yugoslavia
09-64	Mortar, F-864, 240mm, Former Soviet
09-65	Proj. 75mm, Chinese
09-66/1	Bomb Fuze AV-1 Modified, Former USSR
09-66/2	Bomb Fuze AV-1 div, Former USSR
09-67/1	Bomb Fuze VDV unarmed, Former USSR
09-67/2	Bomb Fuze VDV armed, Former USSR
09-68	Proj. Fuze GVMZ-7, Former USSR
09-70	Bomb AO 50-100, Former USSR
09-71	Bomblet, AO1, w/Fuze AM-A
09-72	Fuze, Bomb, AM-A
09-73	Fuze, Projectile, Type 1
09-74	Fuze, Bomb, ADVM (armed)
09-75	Fuze, Bomb, ADVM (unarmed)
09-76	Mine, Antipersonnel, Belgium
09-77	Fuze, Projectile, PRC, Type 53, Model 2
09-78	Fuze, Projectile, PRC, Type 1
09-79	Fuze, Projectile, PRC, Type 100-3
09-80	Fuze, Projectile, PRC, Type 9
09-81	Mortar, 60mm, PRC, HE, Type Unknown
09-82	60mm, PRC, HE, Frag, Type 31
09-83	Mine, Model PMD w/Fuze MUV
09-84	Landmine, APERS No. 7 MK1, Britain
09-84/1	Mine, Bar, L90, British
09-84/2	Mine PDM
09-84/3	Landmine, M19, U.S.

TRADOC Pam 350-9

09-84/4 Landmine, RAAM, U.S.
09-84/5 Landmine, GATOR, U.S.
09-85 Grenade, Heat,
09-86 Landmine AP, POMZ-2M
09-87 Fuze, Bomb, ATM-EB
09-88 Fuze, Bomb, AVU-E
09-89 Projectile w/Fuze, 81mm Illum, Israel
09-90 Grenade "V/C, AZ-58K-100
09-91 Fuze, Projectile, PRC, Type M-5
09-92 Landmine, APERS, France
09-93 Projectile, 52mm, Illum, Israel
09-94 Fuze, Projectile, Model 28/21 B35, France
09-95 Fuze PTAB 2.5M (Modified)
09-96 Rocket, 132mm, Model S3K
09-97 Grenade, Hand/Heat, HOSAM Type 1, Egypt
09-98 Landmine, AP, HE, Model 59, "Inkstand" France
09-99 Mortar; 82mm, Illum, 832C
09-100 Mortar; 60mm Chicom
09-101 Grenade, Heat/Hand, HOSAM, Type 3, Egypt
09-102 Missile, Sagger Missile, Fixed Fin, 1:1 Scale
09-103 Projectile, Smoke, Israel
09-104 Landmine, PMA-3, Former Yugoslavia
09-1 OS Landmine, VSAR 50, Italy
09-105/1 Mine, TC-6 Italy
09-105/2 Mine TC 2.4, Italy
09-105/3 Mine, HCT-2, Italy
09-105/4 Mine, VC 2.2, Italy
09-105/S Mine, HCT, Italy
09-105/6 Mine, Valnara, Italy
09-105/7 Mine, AP VS-SO (Smooth Top), Italy
09-105/8 Mine, AP, VS-MK 2, Italy
09-105-9 Mine, AP, VS1.6, Italy
09-105/10 Mine, ADAM
09-105/11 Mine, Mark 7
09-105/12 Mine, FMK-3
09-105/13 Mine, C3-B
09-105/14 Mine,
09-106 Rocket, Warhead, 57mm, HE, Model S5M
09-107 Rocket, Warhead, 57mm, HEAT, Model S5K
09-108 Landmine TM 46 (Modified)
09-109 Grenade, Hand, Italy
09-110 Grenade, Rifle, 57mm, Silent Mortar;
09-111 Rocket, 57mm, (LR), Former USSR
09-112 Rocket, 57mm, (SR), Former USSR
09-113 Projectile, 115mm, Model BK-4M, Former
09-114 Projectile, 76mm, HEAT, Model BK-354M
09-115 Grenade, Rocket, 73mm, HE, Frag, Model OG-9
09-116 Projectile, 90mm, Model CAN-90, Belgium
09-117 Fuze, 36mm, Model GO-2, Former USSR
09-118 Fuze, Model UTM-45P-1, Former Yugoslavia
09-119 Fuze, PSM, No. 4MK-1
09-120 Fuze, Rocket, UTI M-63
09-121 Mortar; 60mm, M720, USA

09-122	Fuze, M734, Multi-option
09-123	Fuze, MTX, M565, USA
09-124	Fuze, Rocket, Prot M429, USA
09-125	Projectile, RAW, USA
09-126/1	Grenade, OG7, Former USSR
09-126/2	Grenade, O4M, Former USSR
09-127/1	Rocket, RPG 18, Former USSR
09-127/2	Rocket RPG 22, Former USSR

GRAVES REGISTRATION KIT (GRREG)



DVC-T 10-20

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC (limited production).

DESCRIPTION

A wooden box containing a human skeleton, a layout chart, a fingerprint kit, a set of teeth for training individuals to prepare dental charts, a graphic aid that shows materials used for filling teeth, a complete set of manuals, and a self-paced text on search and recovery operations.

TRAINING APPLICATIONS

The Graves Registration Kit is a hands-on exportable device used to train and evaluate personnel in graves registration operations and procedures. It teaches critical tasks in MOS 57F (Graves Registration Specialist) Skill Qualification Test, Soldiers Manuals and applicable ARTEPS.

PHYSICAL INFORMATION

The contents of the kit are:

<u>ITEM</u>	<u>QUANTITY</u>
1. Carrying Case	1 each
2. Fingerprint Kit	
a. Case	1 each
b. Shovel Card Holder	1 each
c. Porelon Inker	1 each
3. Skeleton Carrying Case	1 each
4. Male Skeleton, Unassembled	1 each
5. Dental Models	2 sets
6. Dental Material Board	1 each
7. Skeleton Chart	1 each
8. Bone Measuring Device	1 each

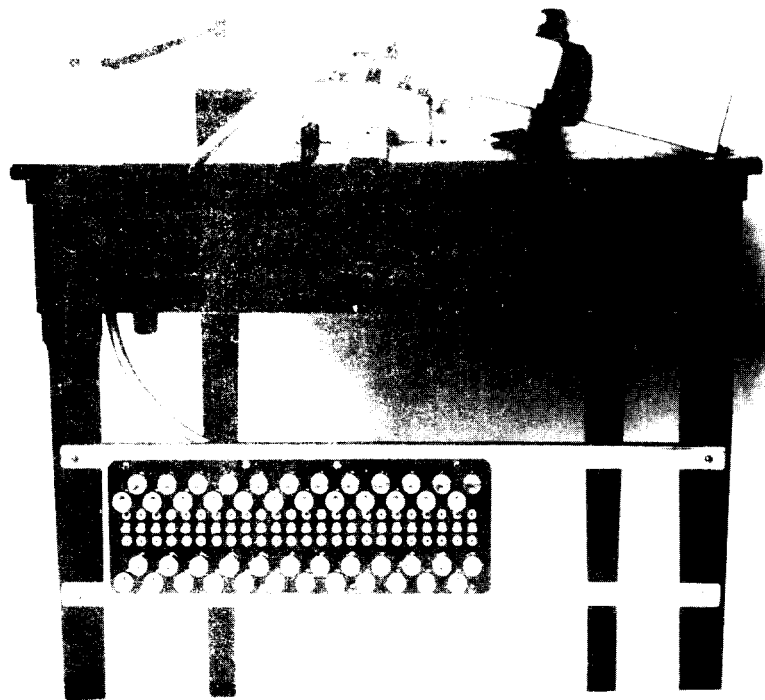
REFERENCE PUBLICATIONS:

AR 638-1
 AR 638-30
 AR 638-40
 FM 10-57 F/TG
 TC 10-57 FI /2 (JB)
 DD FORM 890

**TACTICAL OPERATIONS CENTER
COMMUNICATIONS TABLE**



DVC-D 11-60



DVC-D 11-60

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

The Tactical Operations Center (TOC) Communications Table is a lightweight, rapidly deployable communications control assemblage designed to assist in training troops in wire line termination techniques.

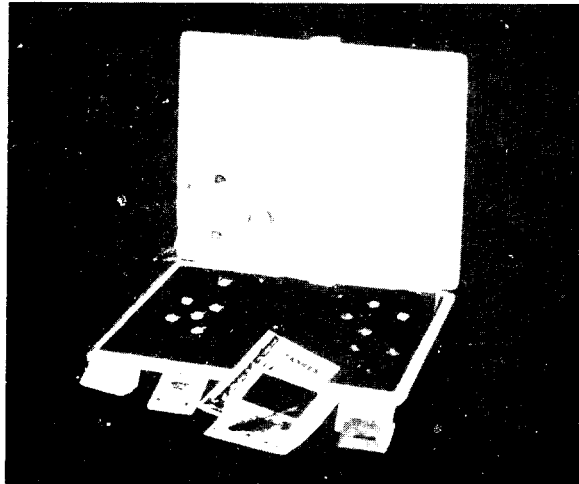
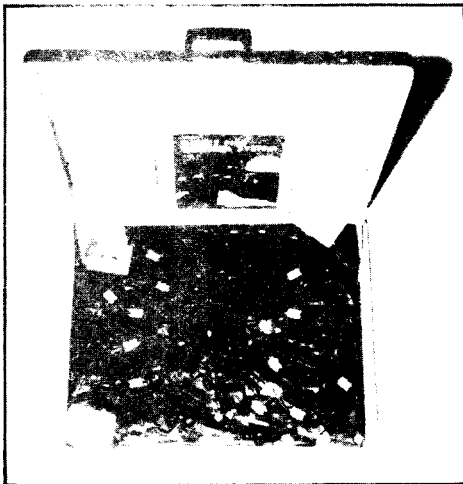
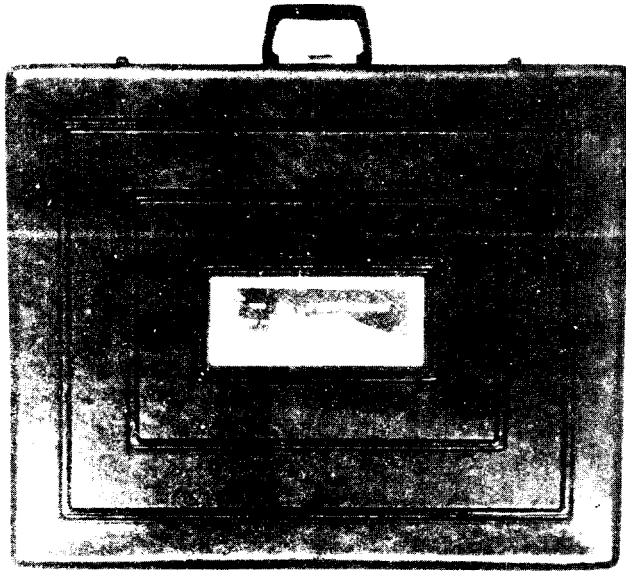
TRAINING APPLICATIONS

The table enhances training on the use of radio and telephone circuits by providing the following capabilities: Point-to-point conferencing; Point-to-point to common user switching; Multiple FM netting; and Radio Wire Integration (RWI) and radio/telephone procedures.

FUNCTIONAL DESCRIPTION

Using a standard Army field table, the device houses four radio remotes and two TA-31 2s. Through the use of this equipment, the table has the capability to terminate a maximum of four radio networks and eight telephone lines. The table can assist in training patching techniques and the control of multiple FM netting and radio/telephone procedures. The DATA package consists of the Training Concept, Assembly Instructions, Tool Requirements, Material Costs, and Photographs. Also available are videocassettes which explain the Concept Evaluation Plan and instructions on the construction of the table.

TANKER GAME



DVC-T 17-80

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC. (Use until supplies are exhausted.) (Not in production.)

DESCRIPTION

A game designed to be used by small unit commanders to easily and effectively teach tank crews the basic knowledge required for tank crew proficiency and success in combat.

TRAINING APPLICATIONS

The game presents Armor subjects related to tank crew knowledge and functions in combat by combining the elements of competition, a representation of real-life activity (armor combat), and equipment subject matter. The game facilitates cross training by having each player/crewman play through lesson packets covering ammunition, rangefinders, computer, and gunners periscope. Lesson packets are included for the M60 tanks making the game effective for both Active and Reserve units.

FUNCTIONAL DESCRIPTION

The game is played on a terrain board by two, four, or six players and consists of player cards, dice, and model tanks which are the maneuver pieces. Each player must answer a question correctly on the subject material in order to play his turn. If the question is answered correctly, the player draws an action card (fire order, smoke, suppressive artillery, etc.), rolls the dice, and moves his tanks to engage the opponent. The player who answers the most questions correctly and fights an aggressive armor battle wins. Although the game is not specifically designed to teach armor tactics, it does reward players who use techniques such as hull and turret defilade positions, fire power, and mobility.

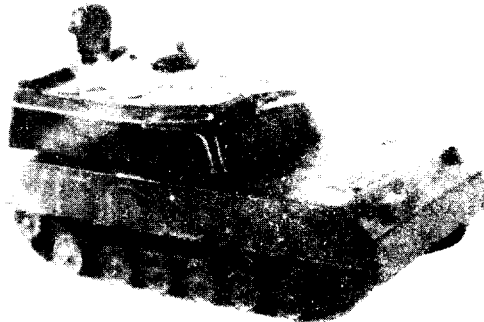
ARMOR VEHICLE MODELS (1/10th Scale)



**T-62 Medium Tank
DVC-T 17-81**



**BMP Infantry
Combat Vehicle
DVC-T 17-82**



**ZSU-23-4 Self Propelled
Antiaircraft Gun
DVC-T 17-83**



**122mm Self-Propelled
Artillery
DVC-T 17-84**

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC. (Use until supplies are exhausted.) (Not in production.) -

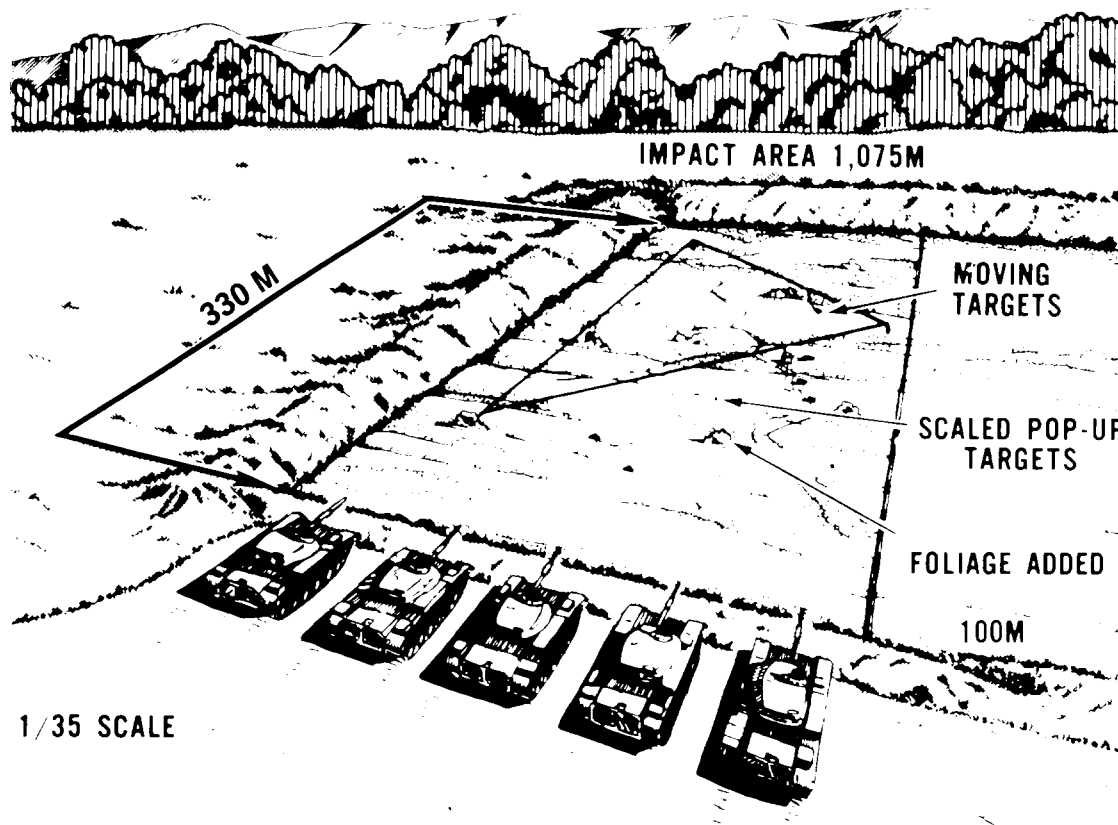
DESCRIPTION

The Vehicles are plastic, three-dimensional, 1/10th scale static models of foreign nation armored vehicles.

TRAINING APPLICATIONS

The models may be used for classroom or outdoor instruction in the recognition of foreign nation armor vehicles.

SMALL SCALE STATIONARY TANK RANGES



DVC-D 17-85

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC .

DESCRIPTION

A drawing of a subcaliber range complex used with the Scaled Range Target System for stationary single tank, section, and platoon firing exercises.

TRAINING APPLICATIONS

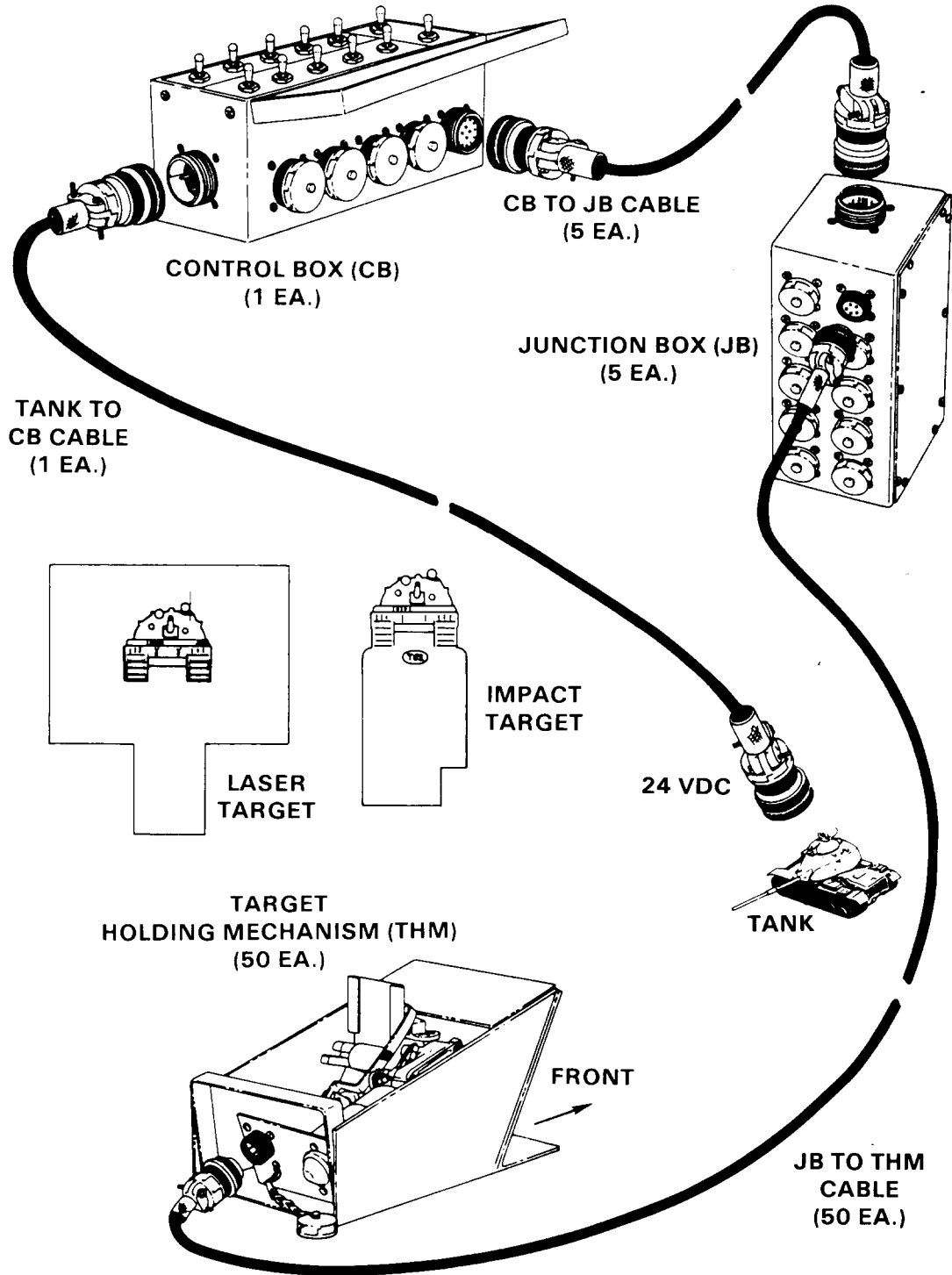
The scaled range allows units to realistically simulate day and night main gun tank firing at home station by individual tank, section, and platoon against single, multiple, stationary and moving targets. The commander selects the range arrangement and components that best suit his training needs and facilities. All crew duties for battlesight and precision engagement may be practiced on the scaled 1/60 range except range determination using the stadia reticle.

FUNCTIONAL DESCRIPTION

The dimensions of the range are dependent upon the impact area available and the caliber of the device used. The size of the required impact area can be reduced by adding berms. FM 17-12-7 provides dimensions for the range and impact area based on the selected scale and subcaliber device. Sand table ranges are recommended, but the target mechanisms can be emplaced in most range facilities. This drawing depicts a permanent, small scale, stationary tank range complex under ideal circumstances. These drawings should be used as a guide by units constructing their own small scale ranges as terrain and available funds will vary substantially from unit to unit.

SCALED RANGE TARGET SYSTEM (SRTS)

DVC T-17-86



DVC-T 17-86/1 (10 UNITS)
DVC-T 17-8612 (20 UNITS)
DVC-T 17-86/3 (30 UNITS)
DVC-T 17-8614 (40 UNITS)
DVC-T 17-8615 (50 UNITS)

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC. (Out of production.)

DESCRIPTION

The SRTS is a modularized, subcaliber, tank gunnery complex, designed to provide hard targets for .22 caliber and 5.56mm live fire and retroreflective targets for the M55 tank gunnery laser trainer. The SRTS has the capability to control up to 50 target mechanisms. Operational power is provided by the tank 24-volt DC supply by way of a plug on the SRTS power cable.

TRAINING APPLICATION

The SRTS allows the trainer to realistically replicate engagements. The device coupled with the Small Scale Range allows the trainer to expose targets for varying amounts of time. This aids in training target identification, fire control and engagement.

REFERENCE

FM 17-12-7

STOUT DEVICE (TANK LASER TARGET DEVICE)



DVC-D 17-94

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A DATA target device used with the M55 Laser to simulate main gun fire.

TRAINING APPLICATIONS

All the crew duties necessary to fire the main gun and adjust fire, less burst on target method of adjustment, can be practiced using this device. The device is excellent for practicing range card type engagements, and can be used on gunnery ranges, in garrison, or during field exercises. It simulates crew interest after completion of Tables 1, 11, and III, and is an effective concurrent training station.

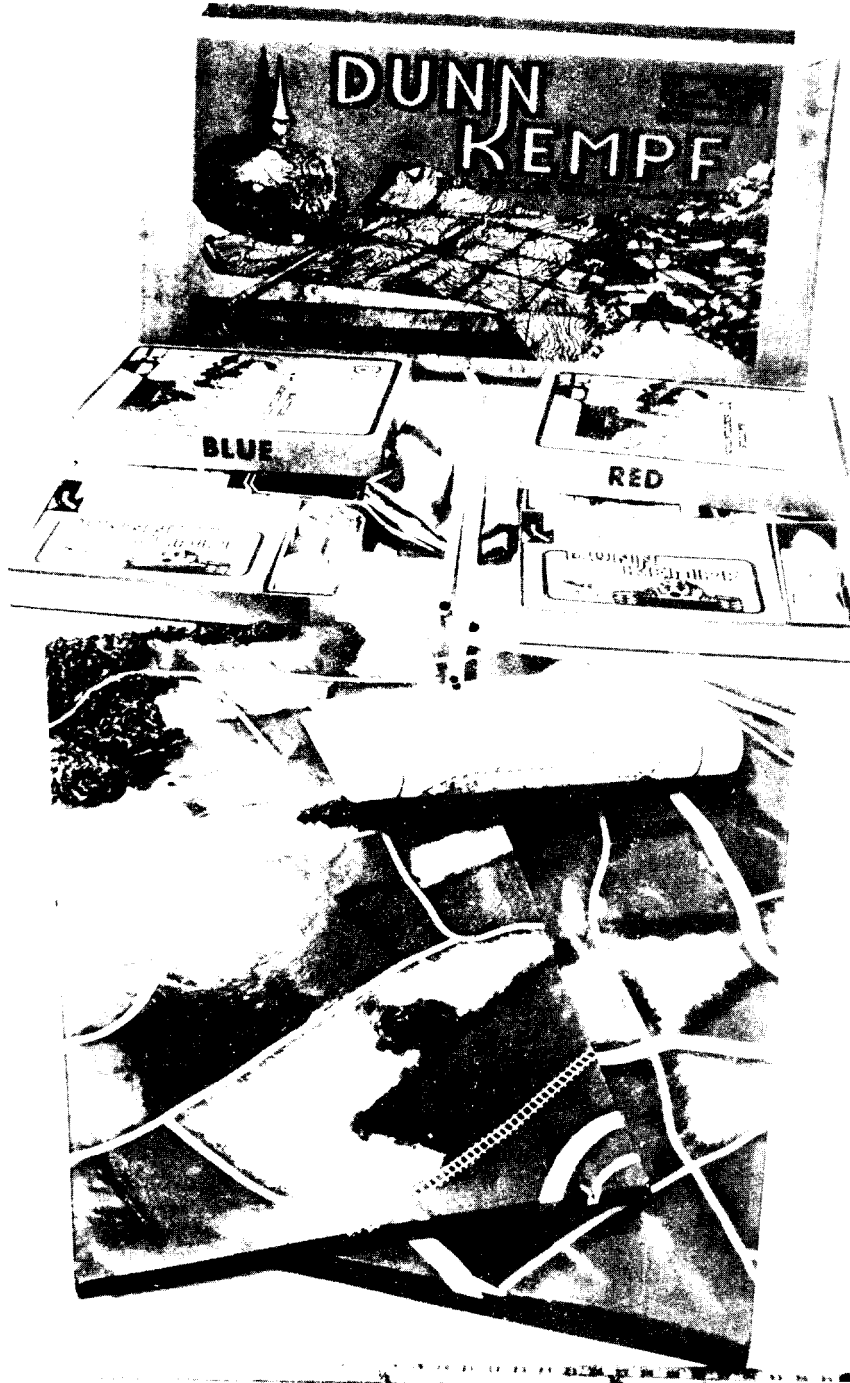
FUNCTIONAL DESCRIPTION

The device consists of a 2' x 6' magnetic plywood board covered with a retroreflective material and half inch targets. When the M55 Laser trainer is mounted in the coax position on the tank and is centered to the main gun electrical wiring harness, the magnetic board is centered in front of the muzzle at the main gun and the targets are positioned on the board to correspond with actual targets down range. As the tank commander engages the distant targets, the laser beam will strike the target on the magnetic board corresponding to the point of aim of the main gun. The M55 Laser trainer is not provided with the device but is available through supply channels.

REFERENCE

FM 17-12-7

DUNN KEMPF BATTLE SIMULATION GAME



DVC-T 17-98

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC until game is no longer serviceable. Spare parts are not available and game will not be reproduced.

DESCRIPTION

Dunn Kempf consists of a scaled terrain board with miniature models of U.S. and threat tanks, helicopters, and other weapon systems. The scenario is designed around European terrain, but can be adapted to locally constructed terrain for specific training needs. Game has not been updated to reflect modern weaponry.

TRAINING APPLICATIONS

Dunn Kempf is appropriate for training at company level and below in small unit tactics; weapon systems capabilities; power employment of weapons; and the relationship of the terrain to such weapons.

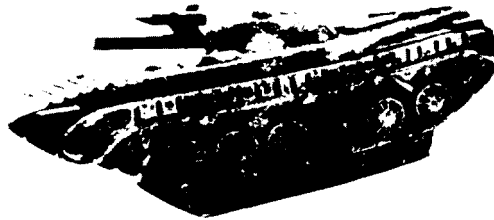
FUNCTIONAL DESCRIPTION

The Game requires one controller and a minimum of eight players. Optimum playing time is eight hours, equating to approximately 20-25 minutes of combat.

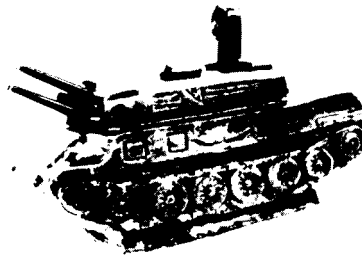
ARMOR VEHICLE MODELS (1/30th SCALE)



DVC-T 17-99



DVC-T 17-100



DVC-T 17-101

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC's until current supplies are exhausted

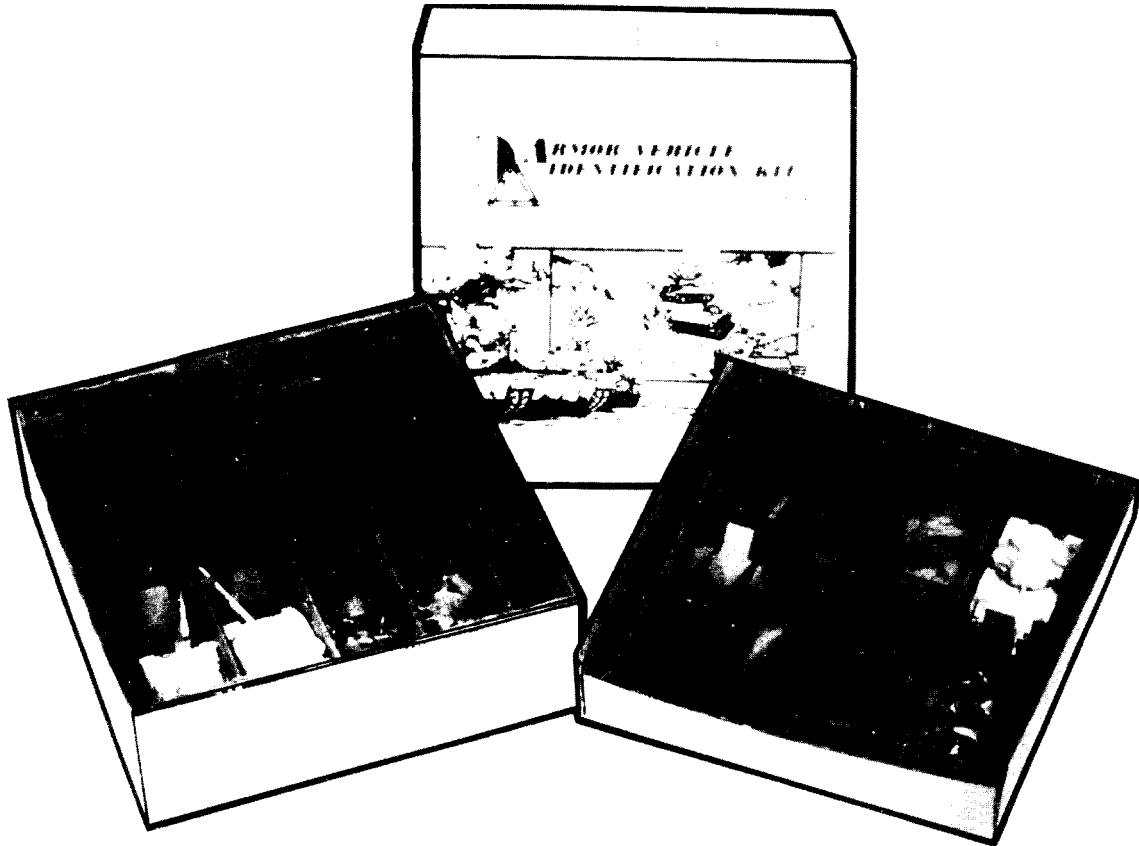
DESCRIPTION

Solid, three-dimensional, 1/30th scale model vehicles made of spongy plastic.

TRAINING APPLICATIONS

These models may be used as targets or for classroom or outdoor recognition training.

ARMOR VEHICLE MODELS (1/35th SCALE)



DVC-T 17-102

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC. (Use until current supplies are exhausted.)

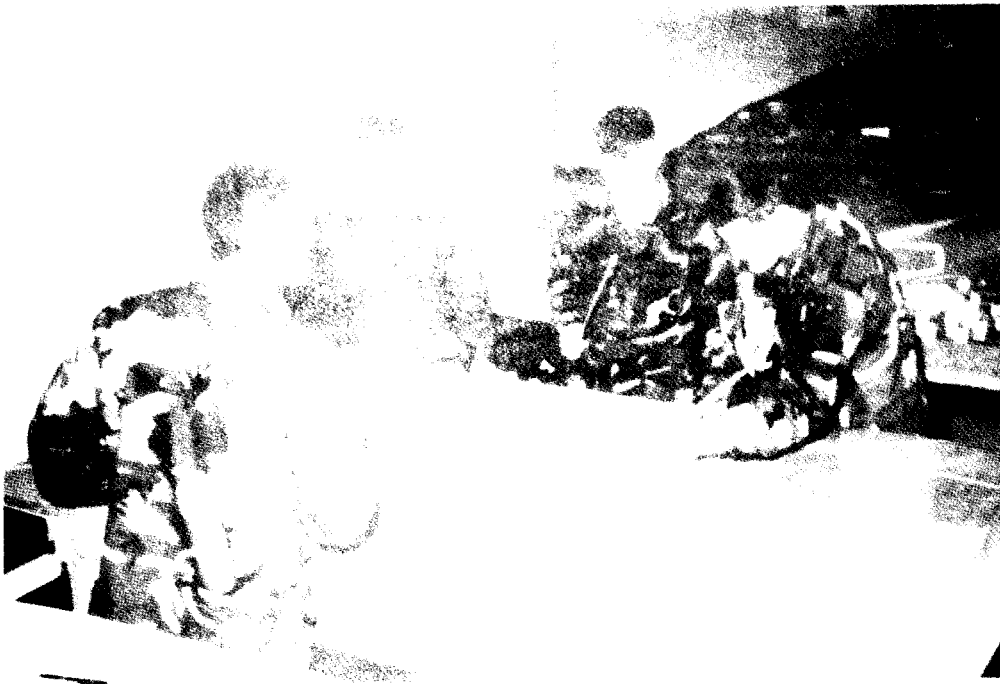
DESCRIPTION

Solid hard plastic, three-dimensional, 1/35th scale models of American and foreign nation armored vehicles. Set consists of the following 25 vehicles: M60A1, M113, M113A1, M551, M577, AMX-13, AMX-30, Leopard 1, Leopard 2, Centurion, Chieftain, T-10, T-34, T-54, T-55, T-62, T-62A, T-64, T-72, T-76, PT-76, BMP, BRDM, M1, and M2 Bradley.

TRAINING APPLICATIONS

These models may be used for classroom or outdoor instruction in the recognition of armored vehicles.

BATTLE SIMULATION BLOCKBUSTER



DVC-T 17-104

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC until current supplies are exhausted. Spare parts are not available.

DESCRIPTION

Blockbuster consists of 14 ea 4' x 2' sections of terrain board, 1:285 scale, with miniature vehicles, weapon systems, buildings and rubble. Rules of play, random number tables, and results tables are also included.

TRAINING APPLICATIONS

Blockbuster is designed to teach company level leaders to plan and execute military operations on urbanized terrain (MOUT) while using supporting artillery, attacking helicopters, close air support, air defense artillery, and engineers. The simulation pits a US company team against a reinforced motorized rifle battalion.

105MM TRAINING ROUND APFSDS, M920



DVC-T 17-105

LOGISTIC RESPONSIBLE COMMAMD, SERVICE1 OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

The 105mm APFSDS, M920 Training Round is a replica of the service round.

TRAINING APPLICATIONS

The round will provide the loader with training in ammunition identification, experience in handling and chambering of the service round in a manner to stress safety and avoid damage to service projectiles.

105MM TRAINING ROUND HEAT- M921



DVC-T 17-106

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

DESCRIPTION

The 105mm APFSDS, M920 Training Round is a replica of the service round.

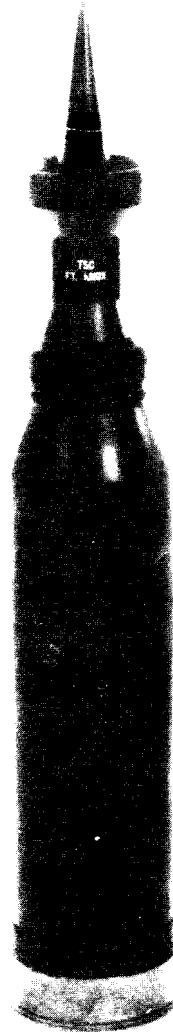
TRAINING APPLICATIONS

The round will provide the loader with training in ammunition identification, experience in handling and chambering of the service round in a manner to stress safety and avoid damage to service projectiles.

REFERENCE

FM 17-12-7

120MM TRAINING ROUND APFSDS



DVC-T 17-107

LOGISTIC RESPONSIBLE COMMAMD, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

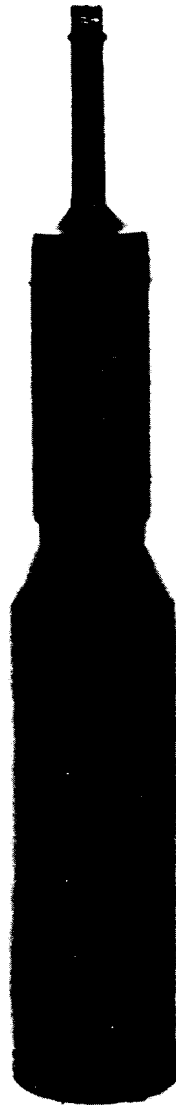
DESCRIPTION

The 120mm APFSDS Training Round is a replica of the service round.

TRAINING APPLICATIONS

The round will provide the loader with training in ammunition identification, experience in handling and chambering of the service round in a manner to stress safety and avoid damage to service projectiles.

120MM TRAINING ROUND HEAT



DVC-T 17-108

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

The 120mm HEAT Training Round is a replica of the service round.

TRAINING APPLICATIONS

The round will provide the loader with training in ammunition identification, experience in handling and chambering of the service round in a manner to stress safety and avoid damage to service projectiles.

120mm TRAINING ROUND, M830, (HEAT-MP-T)



DVC-T 17-111

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

DESCRIPTION

The 120mm M830 High Explosive Antitank-Multi Purpose-Tracer round is a replica of the service round.

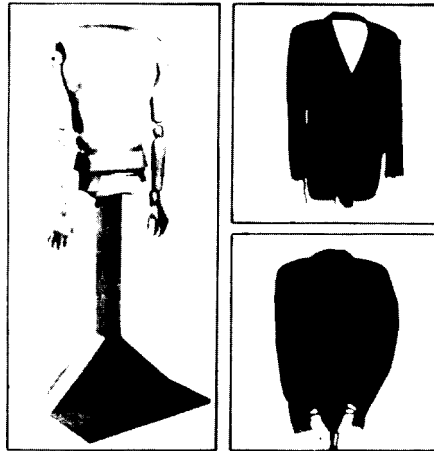
TRAINING APPLICATION

The round will provide the loader with training in ammunition identification, experience in handling and chambering of the service round in a manner to stress safety and avoid damage to service projectiles.

REFERENCE

FM 17-12-7

SPECTOR MANNEQUIN



DVC-T 19-1

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A wooden model of a human torso with shoulders and elbows that pivot back and forth a minimum of 90 degrees and wrists that swivel in all directions.

TRAINING APPLICATIONS

Developed by the Military Police School, Fort McClellan, to train and test military police in their ability to properly apply hand irons as a part of the Hands-On Component (HOC) of the 95B, 95C, 95D Skill Qualification Tests (SQT). It avoids the necessity of subjecting individuals to repeated applications of hand irons and the attendant risks of injury, and the possibility of nonstandardization by the use of human subjects during the administration of the HOC of the SQT.

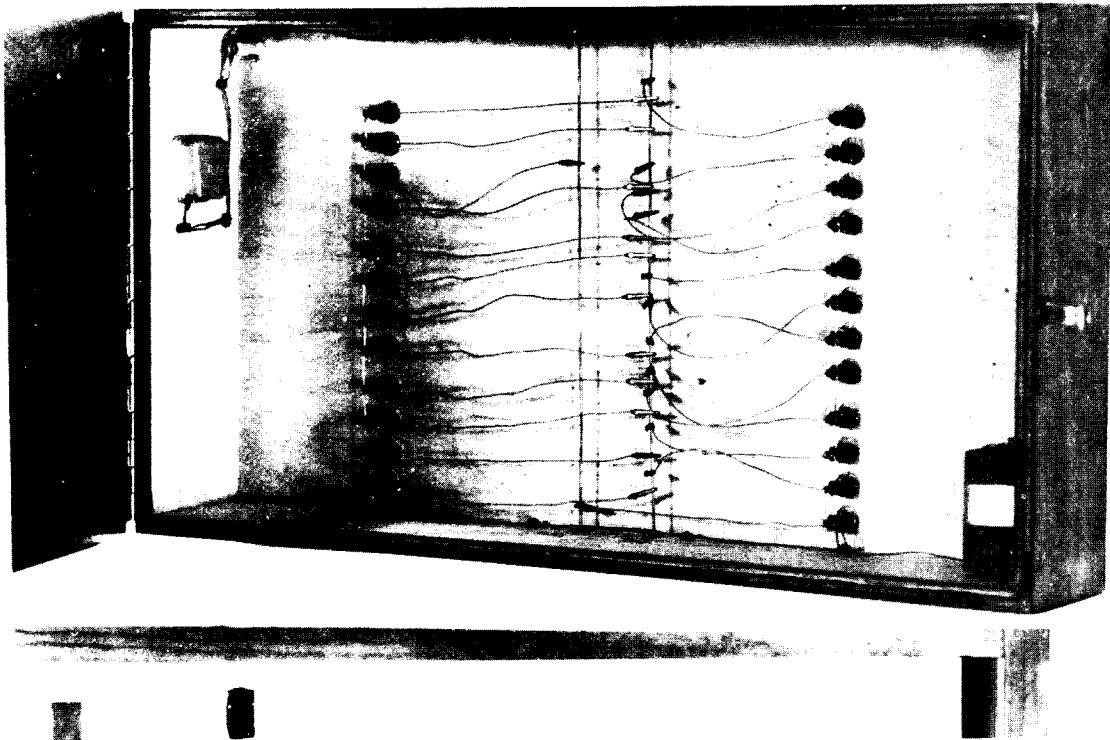
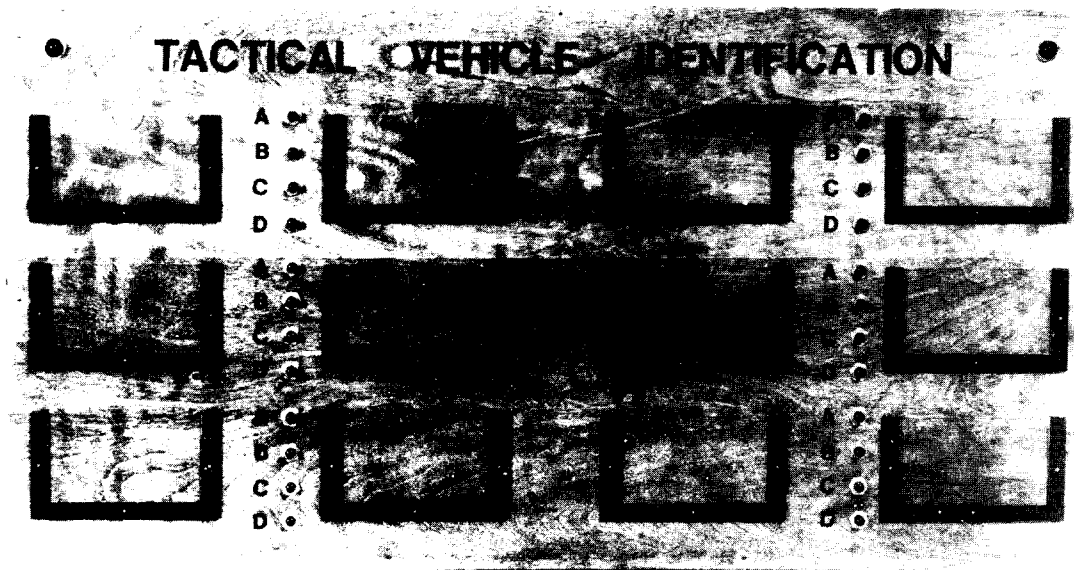
PHYSICAL INFORMATION

The arms and hands are provided to TSC who will complete the fabrication of the mannequin by constructing a frame with a pedestal with drawings provided by ATSC. To add realism to the device the torso should be covered with a suitcoat, fatigue shirt, or similar garment.

TRAINING REQUIREMENTS SUPPORTED:

Apply Hand Irons FM 19-95B1

THREAT QUIZ GAMING DEVICE



DVC-D 20-31

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A DATA device which consists of a plywood board with twelve slots for holding pictures and responses.

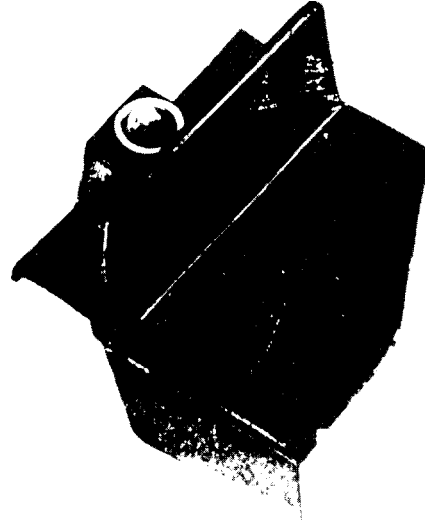
TRAINING APPLICATIONS

The Gaming Device serves as an instructional tool for increasing knowledge of combat equipment and for proficiency training. It can be used for threat/OPFOR training.

FUNCTIONAL DESCRIPTION

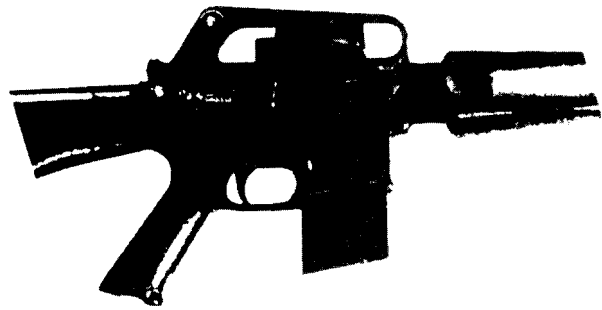
Pictures are placed in six of the slots and multiple choice responses in the other six. Each picture has four possible answers marked A, B, C, or D with appropriate buttons. When the right answer is selected, a green light will flash in the upper corner. When the wrong answer is selected, a red light will flash in the opposite corner and a buzzer will sound. The device may be used for classroom instruction and for self-testing.

M16 RIFLE BRASS DEFLECTOR



DVC-T 23-30A (Fits M16A1)

DVC-T 23-30B (Fits M16A2)



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

DESCRIPTION

A palm size plastic device designed to deflect expended M16 brass downward from the marksman. Specify M16A1 or M16A2 when ordering.

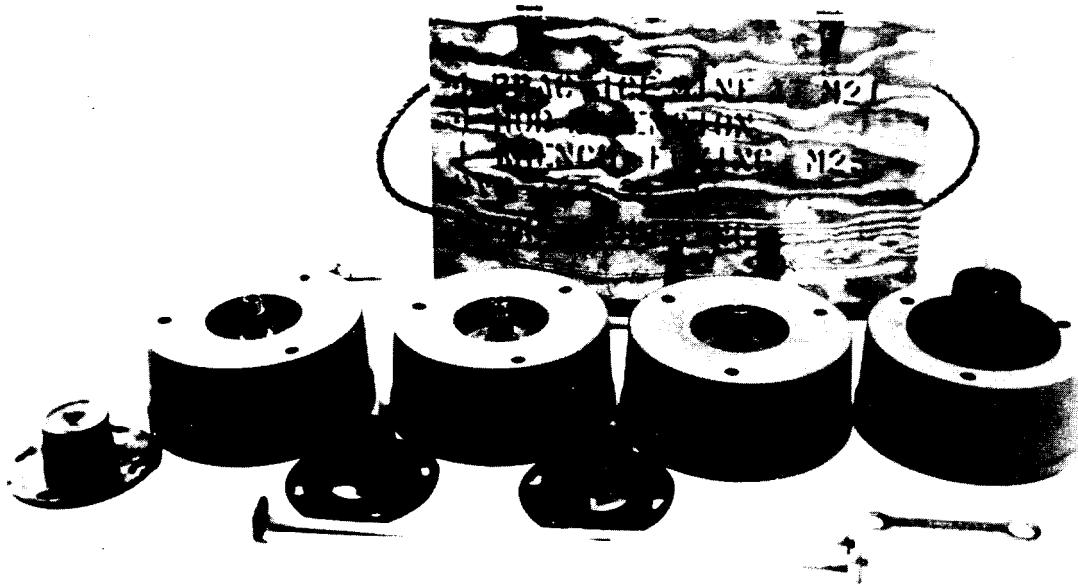
TRAINING APPLICATIONS

The M16 Rifle Brass Deflector protects the left-handed marksman from being struck by heated expended brass.

FUNCTIONAL DESCRIPTION

The device snaps securely into the hole in the top of the carrying handle by means of a bullet catch. It is a low cost, durable, lightweight device which can be rapidly inserted and removed from the weapon.

SMOKE-PRODUCING M21 ANTITANK MINE



DVC-T 23-31

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC s until current supplies are exhausted

DESCRIPTION

A full-scale plastic model of the M21 Antitank Mine which provides a positive casualty signature upon activation.

TRAINING APPLICATIONS

This device is used during two-sided, free play, tactical exercises to permit the play of mine warfare with a realistic, real time casualty assessment capability. This mine was developed to support REALTRAIN and ARTEP requirements.

FUNCTIONAL DESCRIPTION

The solid, three-dimensional device approximates the size and appearance of the M21 mine with trip rod, and uses an M605 fuze and M18 smoke grenade (colors: yellow, green, violet, red). The mine is emplaced and armed in the same manner as the real mine. When tripped, the fuze detonates the attached smoke grenade and the smoke filters through the soil almost immediately, giving a visual casualty indication. The mine is expendable, but may be used a few times (3-5) before being damaged.

PHYSICAL INFORMATION

Four mines with extension rods, 1 M25 wrench, are packed in a box.

ITEMS REQUIRED, NOT SUPPLIED:

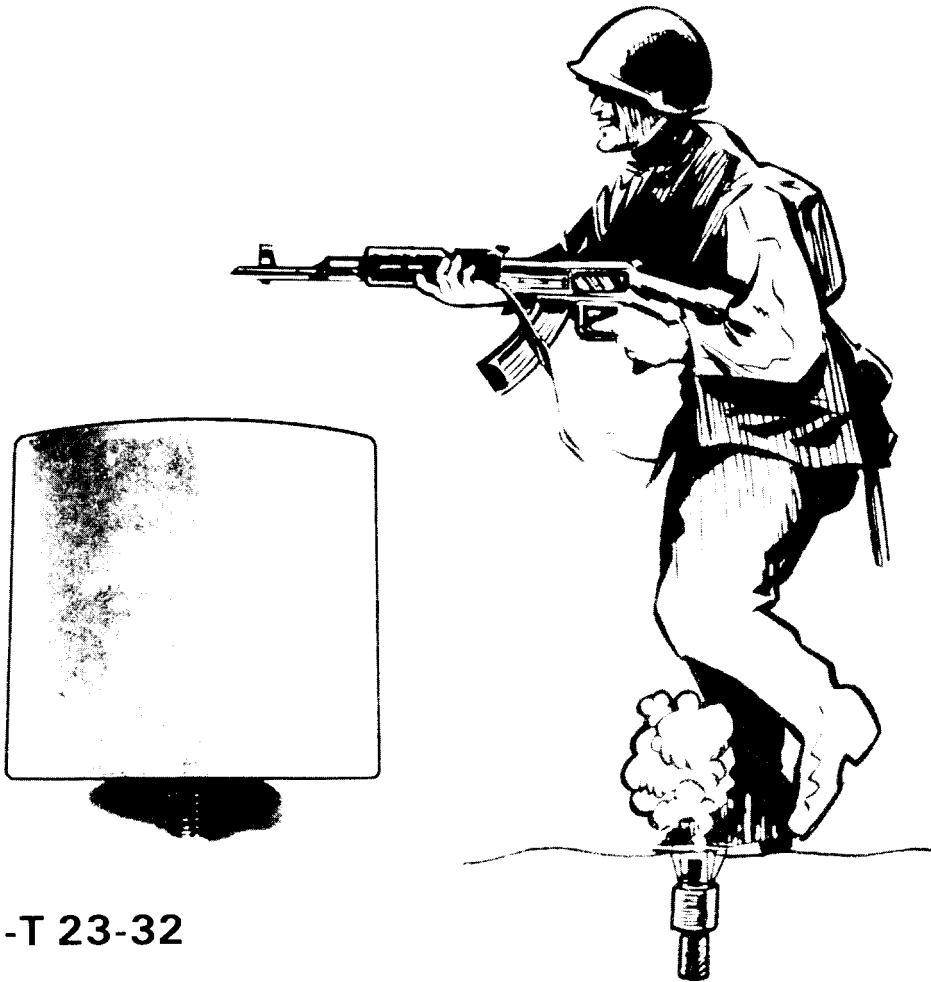
M605 fuze and M18 smoke grenade must be requisitioned through normal supply procedures (ASP) by the requesting unit.

<u>Item</u>	<u>DODAC</u>
M605 fuze	1345-K058
M18 smoke grenade red	1330-G950
yellow	1330-G945
green	1330-G940
violet	1330-G955

TRAINING REQUIREMENTS SUPPORTED:

<u>ARTEP</u>	<u>Task No.</u>
6-36	7-4
6-37	7-5
6-42	7-10
6-50	7-15

SMOKE PRODUCING MI6AI ANTIPERSONNEL MINE



DVC-T 23-32

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC s until current supplies are exhausted

DESCRIPTION

A full-scale plastic model of the M16A1 Antipersonnel Mine which provides a positive casualty signature upon activation.

TRAINING APPLICATIONS

This device is used during two-sided, free play, tactical exercises to permit the play of mine warfare with a realistic, real time casualty assessment capability. This mine was developed to support REALTRAIN and ARTEP requirements.

FUNCTIONAL DESCRIPTION

The solid, three-dimensional device approximates the size and appearance of the M16A1 mine and uses an M605 fuze and M18 smoke grenade (colors: yellow, green, violet, red). The mine is emplaced and armed in the same manner as the real mine. When tripped, the fuze detonates the attached smoke grenade and the smoke filters through the soil almost immediately, giving a visual casualty indication. The mine is expendable, but may be used a few times (3-5) before being damaged.

PHYSICAL INFORMATION

Four mines, one spool assembly, and 1 M25 wrench, are packed in a box.

ITEMS REQUIRED, NOT SUPPLIED:

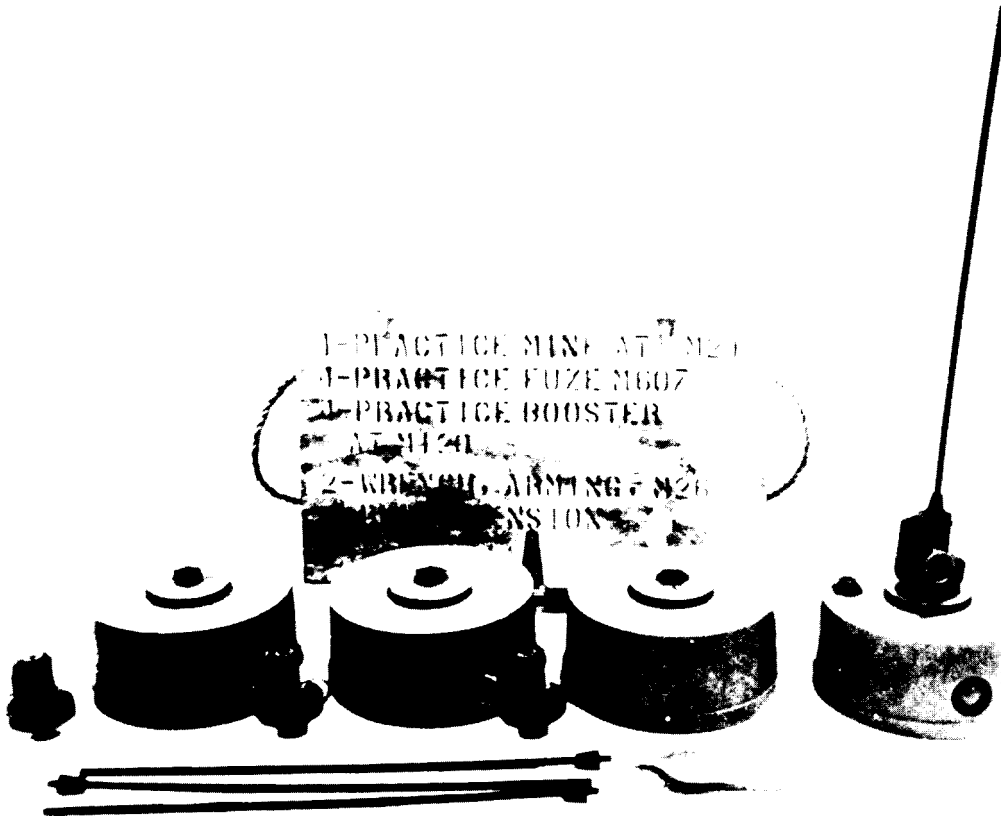
The M605 fuze and M18 smoke grenade must be requisitioned through normal supply procedures (ASP) by the requesting unit.

<u>Item</u>	<u>DODAC</u>
M605 fuze	1345-K058
M18 smoke grenade red	1330-G950
yellow	1330-G945
green	1330-G940
violet	1330-G955

TRAINING REQUIREMENTS SUPPORTED:

<u>ARTEP</u>	<u>Task No.</u>
6-36	7-4
6-37	7-5
6-42	7-10
6-50	7-15

M21 ANTITANK PRACTICE MINE



DVC-T 23-33

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC s until current supplies are exhausted

DESCRIPTION

A full-scale plastic replica of the M21 Antitank Mine with plastic fuze and wrench.

TRAINING APPLICATIONS

The device is used for classroom and outdoor instruction on the mine characteristics and nomenclature; the arming, handling, and functioning of the mine; and can also be used for minefield emplacement training.

PHYSICAL INFORMATION

A box of M21 Mines consists of:

- 4 Practice Mines AT M21.
- 4 Practice fuzes M607.
- 4 Practice boosters AT MI 20.
- 2 Arming wrenches M26.
- 4 Extension rods.

TRAINING REQUIREMENTS SUPPORTED:

ARTEP	Task No.	SM Task No.	
6-36	7-4	051-192-1008	051-192-1022
6-37	7-5	051-192-1018	051-192-1023
6-42	7-10	051-192-1021	051-192-1024
6-50	7-15		

MI6AI ANTIPERSONNEL PRACTICE MINE

DVC-T 23-34

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC s until current supplies are exhausted

DESCRIPTION

A full-scale plastic replica of the MI6AI Antipersonnel Mine with plastic fuze and wrench.

TRAINING APPLICATIONS

The device is used for classroom and outdoor instruction on the mine characteristics and nomenclature; the arming, handling, and functioning of the mine; and can also be used for minefield emplacement training.

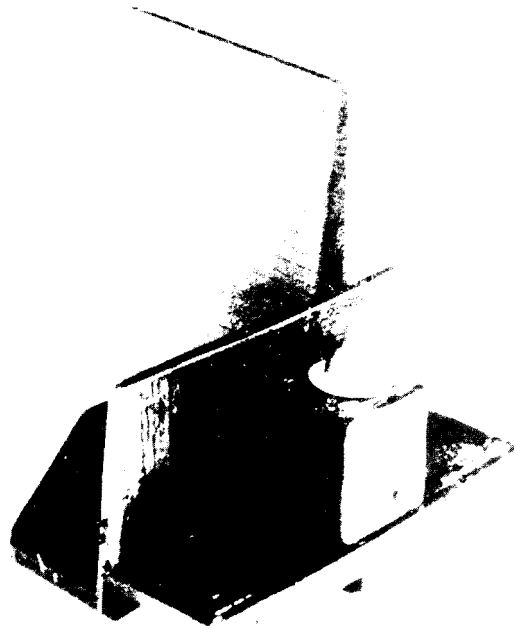
PHYSICAL INFORMATION

A box of MI 6A1 Mines consists of: 4 Practice Mines AP MI 6A1.
4 Practice Fuze Mine Comb, M605.
1 Spool Assembly.
1 Fuzing Mine Wrench, M25.

TRAINING REQUIREMENTS SUPPORTED:

ARTEP	Task No.	SM Task No.	
6-36	7-4	051-192-1002	051-192-1022
6-37	7-5	051-192-1012	051-192-1023
6-42	7-10	051-192-1021	1051-192-1024
6-50	7-15		

BRASS DEFLECTOR WITH EYE PATCH



DVC-T 23-37

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A standard left-handed brass deflector that has an added piece of plastic that blocks the view of the non-firing eye.

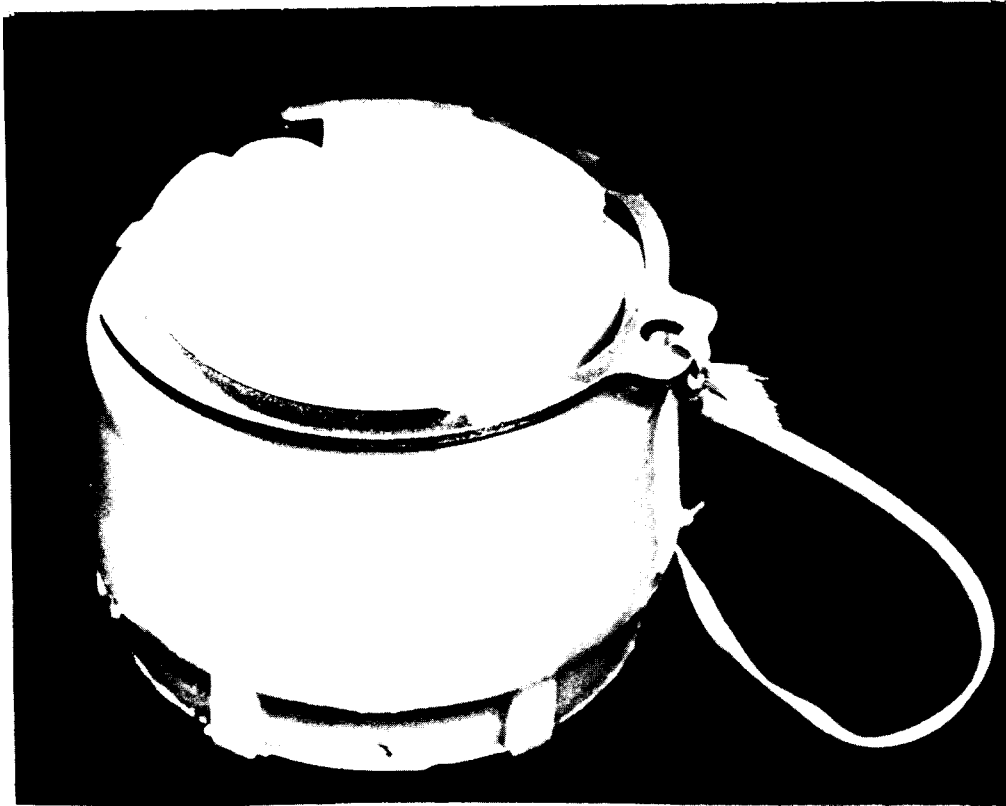
TRAINING APPLICATIONS

Device assists in teaching proper sighting techniques by allowing shooter to sight with dominant eye while other eye remains open.

FUNCTIONAL DESCRIPTION

The device snaps securely to the carrying handle for right or left-handed firers.

M14 ANTIPERSONNEL MINE (DUMMY)



DVC-T 23-38

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

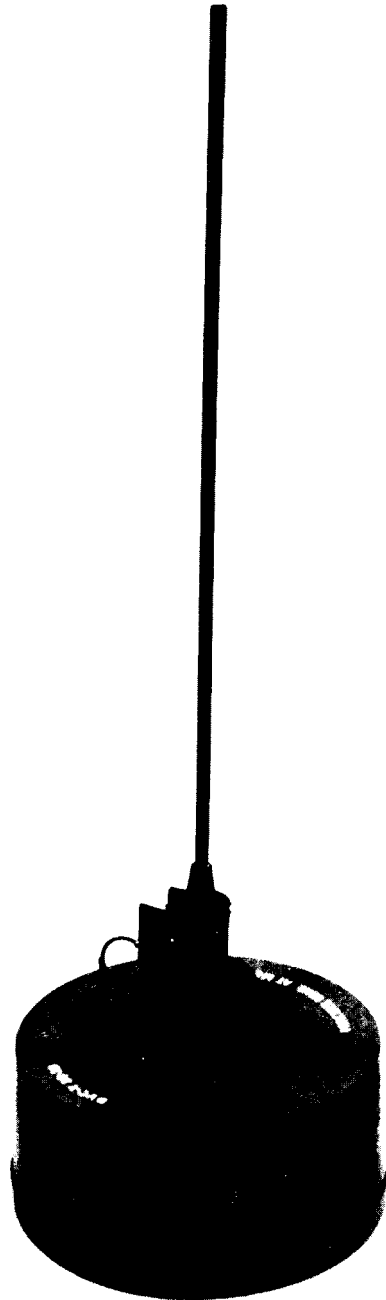
DESCRIPTION

A full-scale plastic replica of the M14 antipersonnel mine that allows for arming procedures.

TRAINING APPLICATIONS

This device is used for classroom and outdoor instruction on the nomenclature and characteristics of the mine; the arming, handling, and functioning of the mine; and can also be used for minefield emplacement training.

COMBINATION MINE



DVC-T 23-40

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC. Use until current supplies are exhausted.

DESCRIPTION

This mine was designed to replace DVC-T 23-31, 23-32, and 23-33. To achieve this, the mine was constructed first to function as an M21 smoke mine, similar to 23-31. An adapter can be added that will allow the M605 fuze to protrude above the ground to simulate a buried M-16 AP mine. Additional adapters can be used to transform the mine to 23-33 for arm/disarm training.

TRAINING APPLICATIONS

This device is used during two-sided, free play, tactical exercises to permit the play of mine warfare with a realistic, real time casualty assessment capability. This mine was developed to support REALTRAIN and ARTEP requirements.

FUNCTIONAL DESCRIPTION

The solid, three-dimensional device approximates the size and appearance of the M16A1 mine and uses an M605 fuze and M18 smoke grenade (colors: yellow, green, violet, red). The mine is emplaced and armed in the same manner as the real mine. When tripped, the fuze detonates the attached smoke grenade and the smoke filters through the soil almost immediately, giving a visual casualty indication. The mine is expendable, but may be used a few times (3-5) before being damaged.

PHYSICAL INFORMATION

Four mines, one spool assembly, and 1 M25 wrench, are packed in a box.

ITEMS REQUIRED, NOT SUPPLIED:

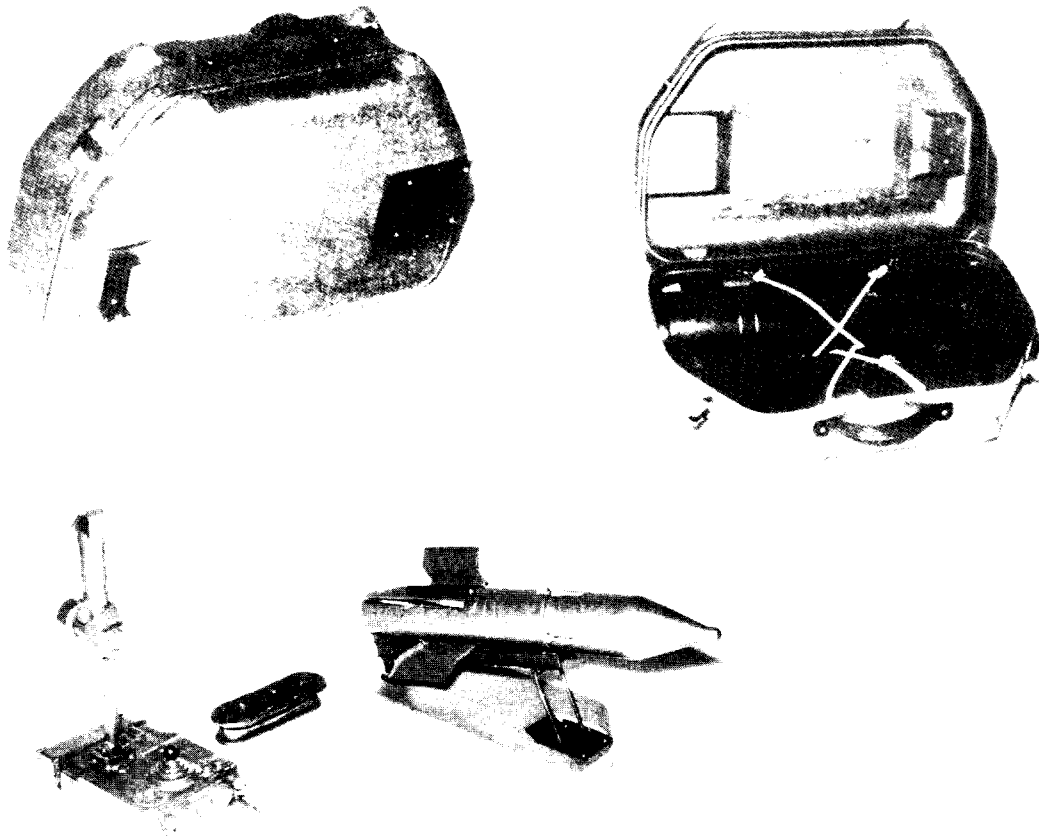
The M605 fuze and M18 smoke grenade must be requisitioned through normal supply procedures (ASP) by the requesting unit.

<u>Item</u>	<u>DODAC</u>
M605 fuze	1345-K058
M18 smoke grenade red	1 330-G950
yellow	1 330-G945
green	1 330-G940
violet	1 330-G955

TRAINING REQUIREMENTS SUPPORTED:

<u>ARTEP</u>	<u>Task No.</u>
6-36	7-4
6-37	7-5
6-42	7-10
6-50	7-15

SUITCASE SAGGER



DVC-T 30-4

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

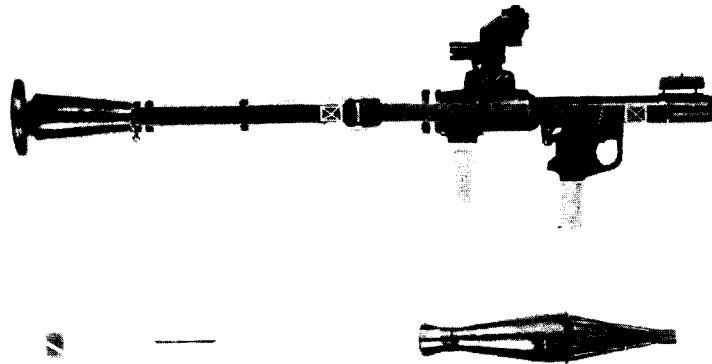
DESCRIPTION

A full-scale, three-dimensional plastic facsimile of the man portable SAGGER Antitank Guided Missile with fire control mechanism. The missile is collapsible and carried in the suitcase which serves as a platform for the launch rail.

TRAINING APPLICATIONS

This device is used for classroom and field recognition training to emphasize the lethality, characteristics, and employment of primary foreign nation antitank weapons systems on the modern battlefield. It is also used during tactical training to simulate the employment of antiarmor systems by the opposing force and to enhance intelligence play.

RPG-7 ANTITANK GRENADE LAUNCHER WITH ROUND



DVC-T 30-5

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A full-scale, three-dimensional replica of the RPG-7 Antitank Grenade Launcher.

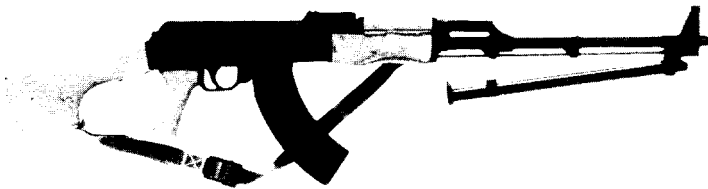
TRAINING APPLICATIONS

Designed to enhance the realism of Opposing Force simulation during tactical training and can also be used for classroom or field instruction on foreign nation weapons. It duplicates the size and physical appearance of the actual RPG-7, facilitating instruction on its components and characteristics. A removable model of the 85mm round with collapsible fins is mounted in the launcher assembly.

OPPOSING FORCE SMALL ARMS



DVC-T 30-6
AK-47
ASSAULT RIFLE



DVC-T 30-7
RPK SQUAD
MACHINE GUN



DVC-T 30-8
PM-50 PISTOL
(WITH HOLSTER)

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

Full-scale, three-dimensional static plastic replicas of foreign nation small arms.

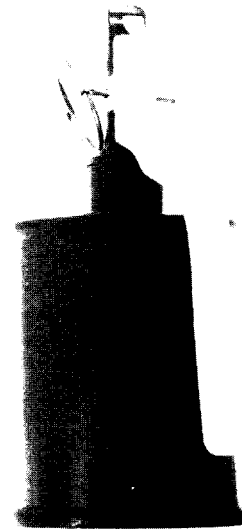
TRAINING APPLICATIONS

These devices can be used for classroom or field recognition instruction, or can be carried during tactical exercises to add realism to the portrayal of opposing force troops.

OPPOSING FORCE GRENADES/MINES



DVC-T 30-9
POMZ-2 ANTIPERSONNEL MINE



DVC-T 30-10
RG-42 ANTIPERSONNEL GRENADE



DVC-T 30-11
RGD-5 ANTIPERSONNEL GRENADE



DVC-T 30-12
RKG-3 ANTITANK GRENADE

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

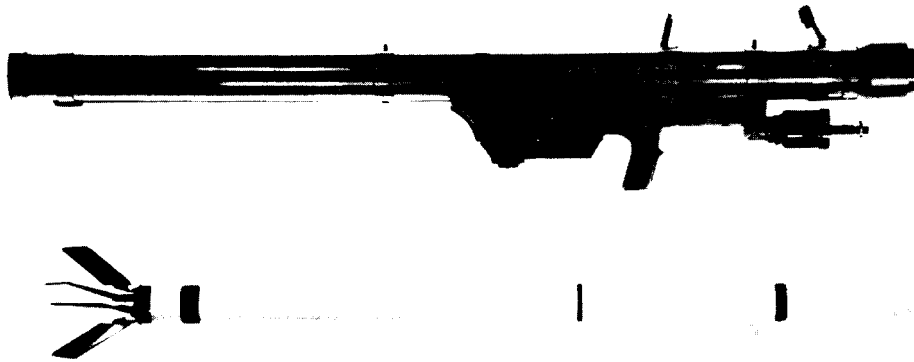
DESCRIPTION

Full-scale, three-dimensional plastic facsimiles of foreign nation antipersonnel and anti-tank grenades and mines.

TRAINING APPLICATIONS

These devices can be used for classroom or field recognition instruction or carried during tactical exercises to add realism to the portrayal of opposing force troops.

SA-7 (GRAIL)



DVC-T 30-14

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

A full-scale, three-dimensional plastic and metal replica of the SA-7 Guided Antiaircraft Missile System (GRAIL), consisting of the launcher and removable missile.

TRAINING APPLICATIONS

The GRAIL is used during classroom and field instruction to emphasize the lethality of foreign nation antiaircraft capabilities. It is also used by the opposing forces during tactical exercises to enhance realism and introduce an antiaircraft dimension to field intelligence play.

OPPOSING FORCE SHIRT



DVC-T 30-16

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

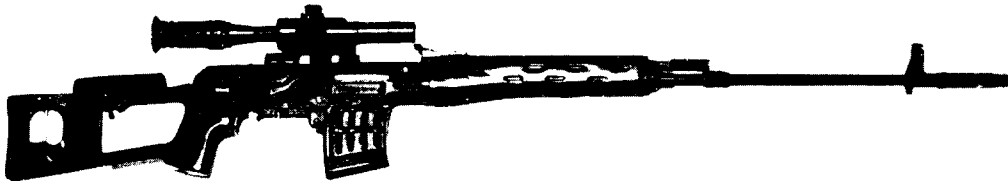
DESCRIPTION

The shirt is a long sleeve, square tail shirt with six buttons, one breast pocket and two epaulets. It is constructed from a permanent press, Olive Drab cotton twill and is available in sizes small, medium and large.

TRAINING APPLICATION

Used to add realism during Force on Force exercises and should be used in all ARTEPS that use an Opposing Force.

SVD SNIPER RIFLE



DVC-T 30-18

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

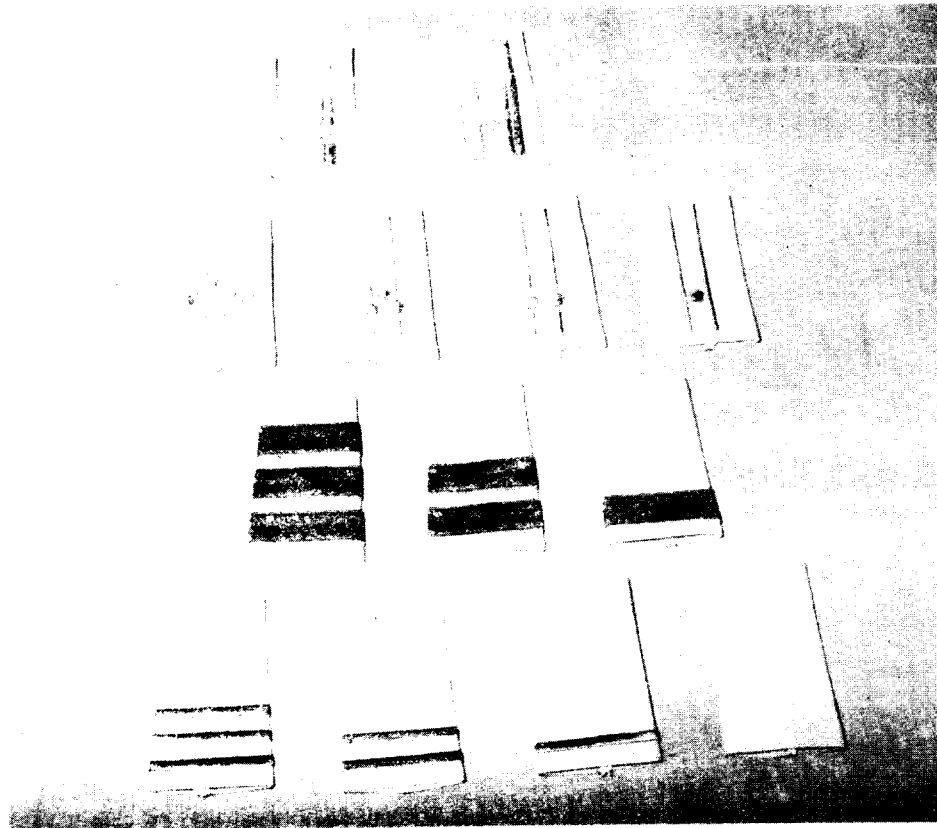
DESCRIPTION

A full-scale, three-dimensional plastic replica of the SVD Sniper Rifle.

TRAINING APPLICATION

This device is used for classroom and field recognition training to emphasize the lethality, H characteristics, and employment of foreign nation small arms.

OPFOR SHOULDERBOARDS AND COLLAR INSIGNIA



DVC-T 30-19

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available from local TSC.

DESCRIPTION

Shoulderboards are made from an Olive Drab Twill with black embroidered rank designation. Item fits over the OPFOR shirt epaulet. Collar insignia are black anodized metal pins with clutch fastener. Two types available are Motorized rifle and Tank.

ORDER INFORMATION

Specify type and quantity of each:

SHOULDERBOARDS

- | | | |
|-------------------|------------------------|-----------------|
| a. Private | b. Private First Class | c. Corporal |
| d. Jr. Sergeant | e. Sergeant | f. Sr. Sergeant |
| g. 1st Sergeant | h. Jr. Lieutenant | i. Lieutenant |
| j. Sr. Lieutenant | k. Captain | l. Major |
| m. Lt. Colonel | | |

COLLAR INSIGNIA

- | | |
|--------------------|---------|
| n. Motorized Rifle | o. Tank |
|--------------------|---------|

TRAINING REQUIREMENTS SUPPORTED

- | | |
|------------------|--|
| FM 7-118-11B-112 | Tasks 071-331-0802, Process known or suspected enemy personnel.
071-331-0803, Collect/Report Information SALUTE |
| FM 17-19E-1/2 | Task 071-331-0803, Collect/Report Information SALUTE Spot Report |

VISUAL MODIFICATION KITS (VISMOD) DVC-T 30-20

T-72

122 SP



ZSU

BMP

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at selected TSC. Produced on cost reimbursable basis only.

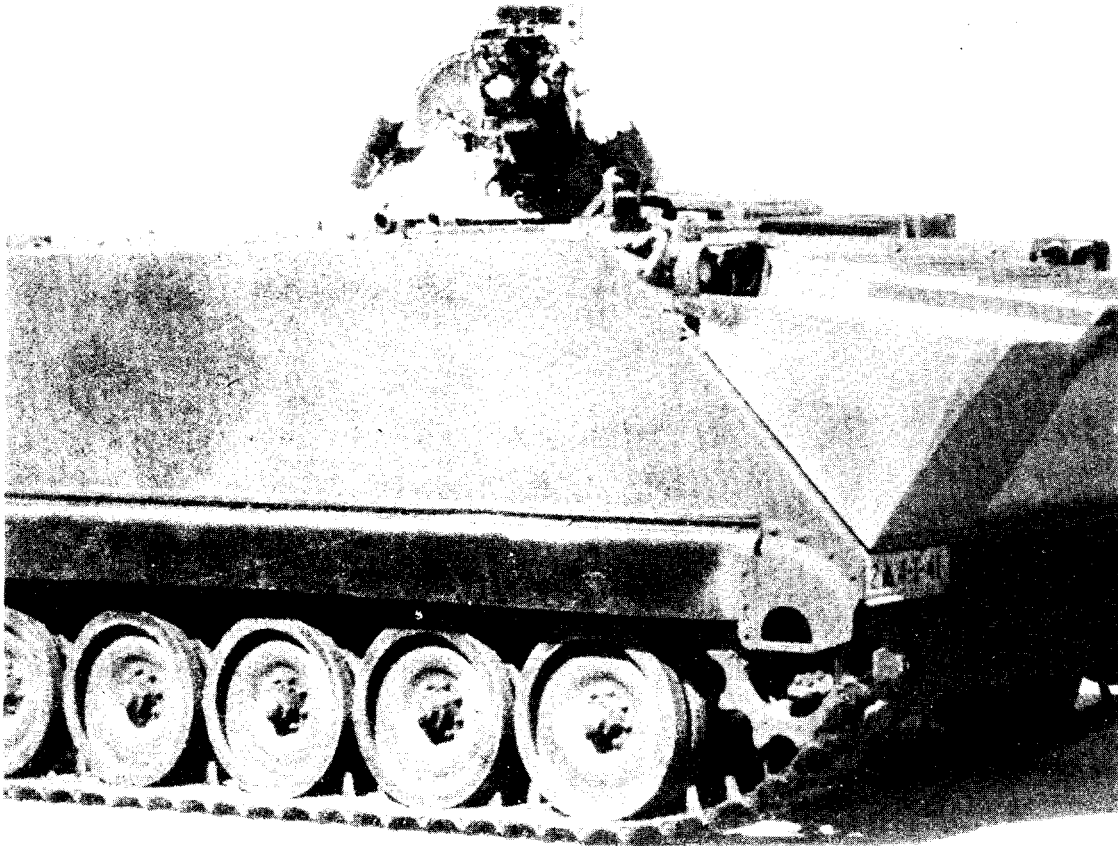
DESCRIPTION

Full-scale fiberglass mock-ups of Opposing Force vehicles which are for the National Training Center (NTC), Fort Irwin, CA only. There are five models: the T-72, the 122SP, the ZSU, and the BMP which fit over the M551 Sheridan.

TRAINING APPLICATIONS

These mock-ups are used for realistic force-on-force tactical training at NTC. The mock-ups are also for use for specific training in vehicle recognition; target acquisition and ranging; and intelligence play.

OPFOR VEHICLE MODIFICATION KIT - BMP



DVC-T 30-21

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

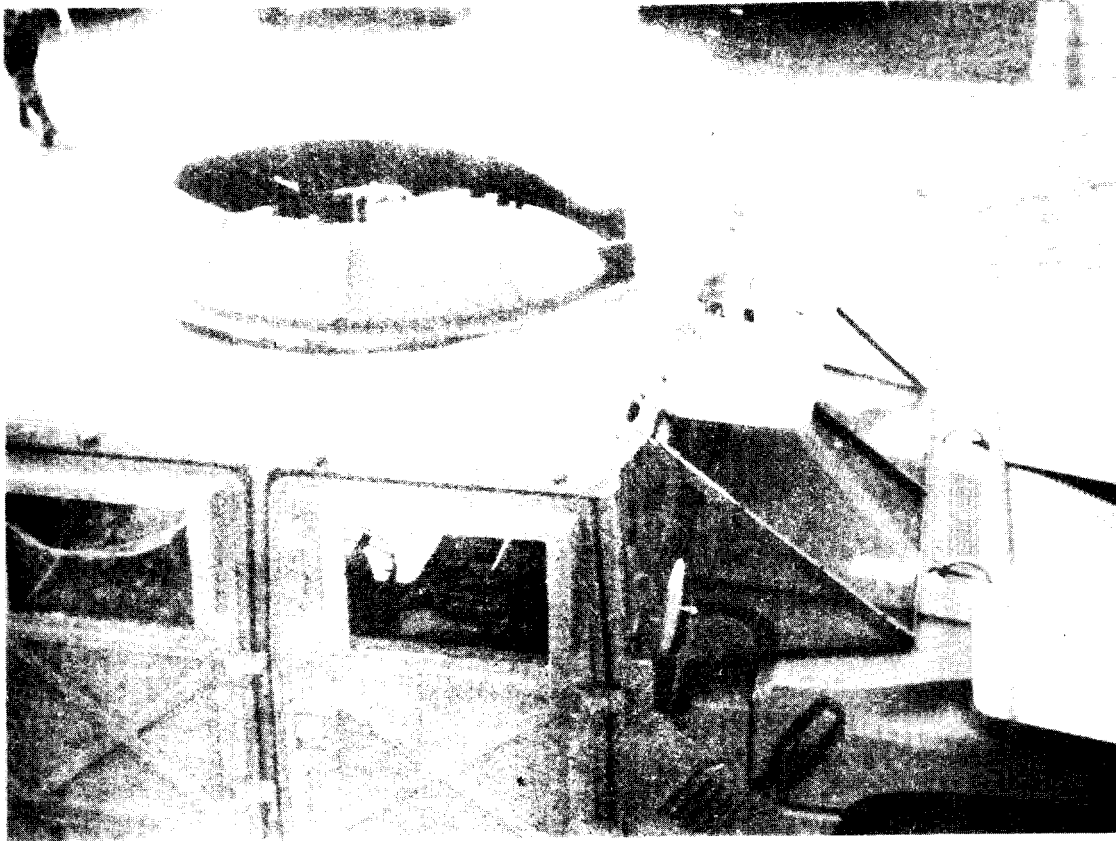
DESCRIPTION

Fabricated with fiberglass with steel frame. Connects to front of an M113 APC using existing hardware. Fiberglass turret mounts in a fixed position over the commanders hatch.

TRAINING APPLICATION

Can be used for realistic Force on Force tactical training or for specific training in vehicle recognition, target acquisition or intelligence play.

OPFOR VEHICLE MODIFICATION KIT - BRDM II



DVC-T 30-23

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

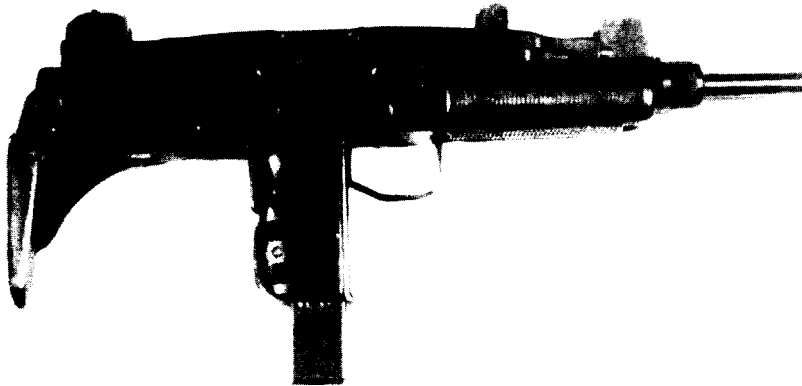
DESCRIPTION

The kit consists of three components: A frontpiece which is constructed from fiberglass with a steel frame that fits on a HMMWV. A steel brushguard which fits on the vehicle bumper and a fiberglass turret which mounts in a fixed position to the top of the vehicle.

TRAINING APPLICATIONS

Can be used for realistic Force on Force tactical training or for specific training in vehicle recognition, target acquisition or intelligence play.

**UZI MACHINE GUN
DVC-T 30-24**



**22CAL. PISTOL WITH SILENCER
DVC-T 30-25**



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

Full-scale, three-dimensional static plastic replica of a foreign nation's small arms.

TRAINING APPLICATIONS

This device can be used for classroom or field recognition instruction, or can be carried during tactical exercises to add realism to the portrayal of opposing force troops.

MAC-I I WITH SILENCER



DVC-T 30-26

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

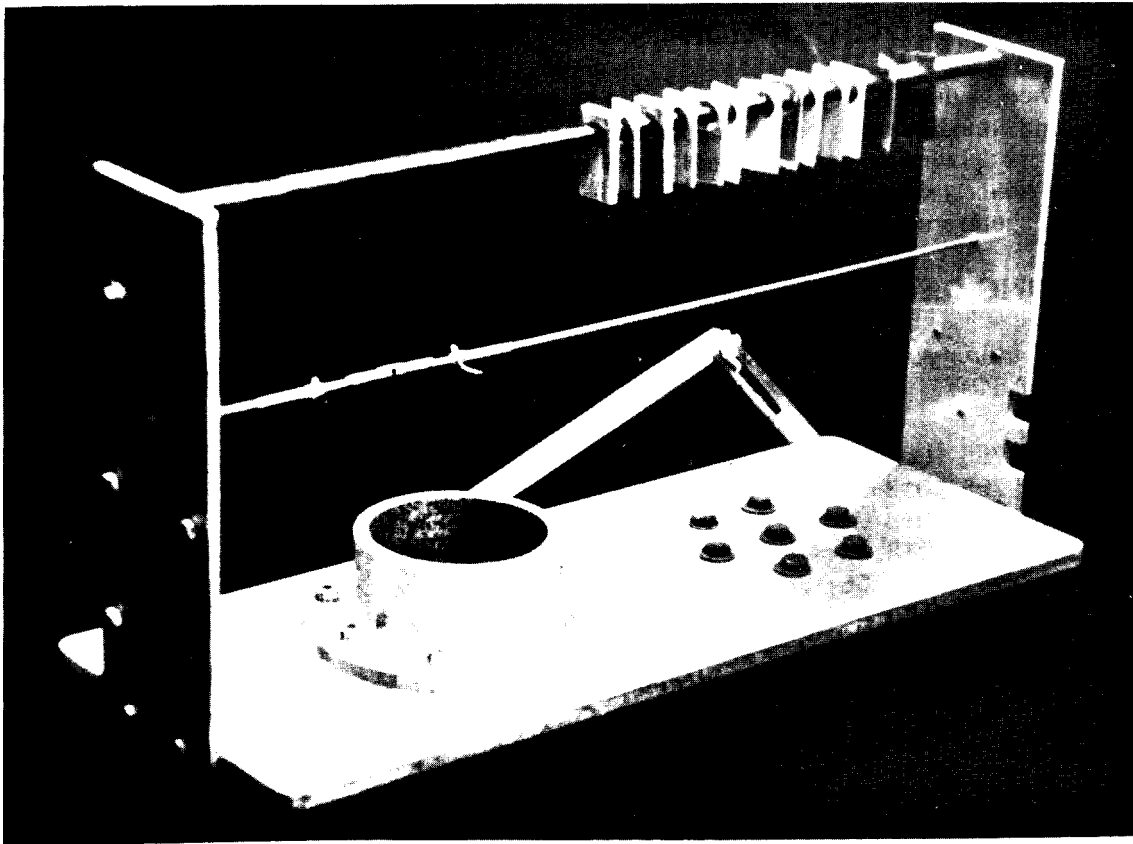
DESCRIPTION

Full-scale, three-dimensional static plastic replica. a

TRAINING APPLICATIONS

This device can be used for classroom or field recognition instruction, or can be carried during tactical exercises to add realism to the portrayal of opposing force troops.

COMPOSITE TESTING DEVICE FOR CONDUCT OF HANDS-ON COMPONENT OF CMF 67 SOT



DVC-D 55-30

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

An aluminum DATA device 9" wide, 24" in length, 12" high, which is designed to allow the examinee to practice and be tested on the skills required to utilize the following precision aviation maintenance tools: inside micrometer; outside micrometer; cable tensiometer; torque wrench, 0-150, 100-750 inch pounds; calipers (inside and outside); vernier depth gauge; depth micrometer; and propeller protractor.

TRAINING APPLICATIONS

The CMF 67 is required for the administration of the Hands-On Component of the Skill Qualification Test (SOT) of the following MOS: 67G, 67N, 67U, 67V, 67X, 68B, 68D, 68F, 68H, 68J, 68M for at least skill levels 1 and 2.

FUNCTIONAL DESCRIPTION

The device is used for training in the use of the above special tools and other common tools, and trains in skills necessary for correct application of different types of safety wiring and installation of hardware and cotter pins. It allows realistic standardized training, without holding down aircraft, aviation equipment, or other major end items. It is portable and therefore can be used anywhere.

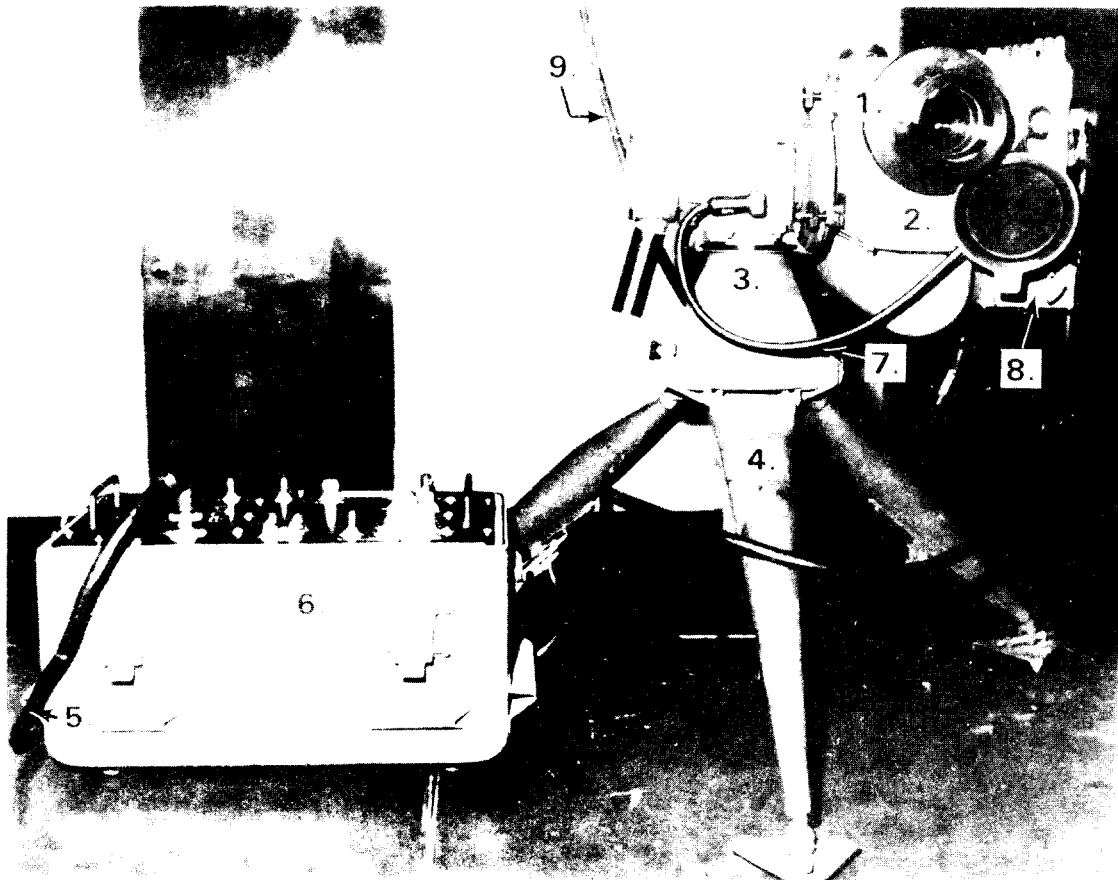
TRAINING REQUIREMENTS SUPPORTED:

Supports training and testing of the following Soldiers Manual tasks which are included in CMF 67 SOT:

- 551-755-1008 Apply safety devices, safety wiring and cotter pin installation
- 551-755-1013 Use micrometers (inside/outside)
- 551-755-1018 Use torque wrench
- 551-741-1013, 551-741-2252, 551-741-3385, 551-741-2282,
551-741-3386, 551-741-2263, 551-741-3162, 551-741-3384,
551-743-1196, 551-749-1120, 551-749-3149, 551-753-1243,
551-753-2193, 551-753-3127, 551-759-2189, 551-757-2246.

Other tasks or elements of tasks may also be applied to this device.

GROUND LASER LOCATOR DESIGNATOR (GLLD)



- | | |
|-------------------------|---------------------------|
| 1. Close-up Lens | 6. Control Unit |
| 2. Simulator | 7. Cable Assembly |
| 3. Traversing Unit (TU) | 8. EMI Filter |
| 4. Tripod | 9. Alternate Power Source |
| 5. Interconnect Cable | |

DVC 99-21

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

MICOM.

SOURCE AND METHOD OF OBTAINING:

Not generally available for issue (limited production).

DESCRIPTION

The GLLD Trainer set (NSN 6940-01-046-2850) includes the simulator assembly, inter-connect cable, and control unit. The simulator assembly is similar in size and appearance and has control and indicator similar to those found on the GLLD Set.

REFERENCE PUBLICATIONS:

TC 6-30-1	FM 6-13F
FM 6-13B	FM 6-40
FM 6-13C	FM 6-50
FM 6-13E	

TRAINING REQUIREMENTS SUPPORTED:

ARTEP 6-365
ARTEP 6-365-1

VIDEO DISC GUNNERY SYSTEM (VIGS)

DVC 99-23/1, MK60A1

DVC 99-23/2, MK60A3

DVC 99-23/3, MK1

DVC 99-23/4, MK728

DVC 99-23/5, MK2/3

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Not available at local TSC (limited production). No longer supported by ATSC.

DESCRIPTION

The Video Disc Gunnery System (VIGS) consists of video disc and microcomputer technologies. It is a portable electronic training device designed to provide soldiers with realistic and effective target engagement skills training for both novice and experienced gunners. It is comprised of two major components:

- (1) Gunner's console - A compact table top electronic unit that simulates the M60A1 gunner's station. A microcomputer is contained inside the unit, along with a video disc player, which converts the images stored on video disc into a visual display;
- (2) Floppy Disc Drive used to load system software and problem data into the console computer.

There are five similar models of VIGS for five vehicles:

DVC 99-23/1	MK60A1	MK60A1 Tank
DVC 99-23/2	MK60A3	MK60A3 Tank
DVC 99-23/3	MK1	M1 Abrams Tank
DVC 99-23/4	MK728	Combat Engineer Vehicle
DVC 99-23/5	MK2/3	Bradley Fighting Vehicle

TRAINING APPLICATIONS

The VIGS is a near real-time, interactive, part task training system capable of presenting to the soldier a wide range of engagement scenarios. The controls and displays located on the front of the system allow the gunner to train independently with the device. Also, the instructor can select exercises and adjust the kill zone for the gunner, thereby tailoring the training to the soldier's needs and abilities. The device scores the gunner's performance based on parameters established for each exercise. The gunner's score and performance data along with an indication of those skills that need improvement are displayed for critique purposes. The control panels on the VIGS are similar to that of the actual weapon system being simulated.

**TANK GUNNERY AND MISSILE TARGET SYSTEM
(TGMTS)**

**DVC 99-24/1,MK3
DVC 99-24/2,MK3A**

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Not available at local TSC. (Listed for 10 purposes.)

DESCRIPTION

a The TGMTS is a rear screen projector system which provides a film presentation of actual armor vehicles in a realistic scenario. Single and multiple targets can be displayed at various ranges and speeds. The screen is placed in front of a single tank. An infrared line-of-sight projector mounted on the firing tank projects a pulsed infrared spot at the point of aim on the screen. An infrared position detector monitors the aiming point of the tank constantly by following the pulsed infrared spot. At the instant of projectile firing, trajectory simulation is applied based on the gunner's aiming point and ballistic data from a minicomputer. The precise position of the fired round is shown during flight, and at the instant of impact, a brilliant point of laser light appears. Adjustment of fire may be accomplished as the gunner and TC receive a positive hit indication. Both battlesight and precision engagement may be executed with TGMTS. TGMTS is restricted to stationary tank engagements.

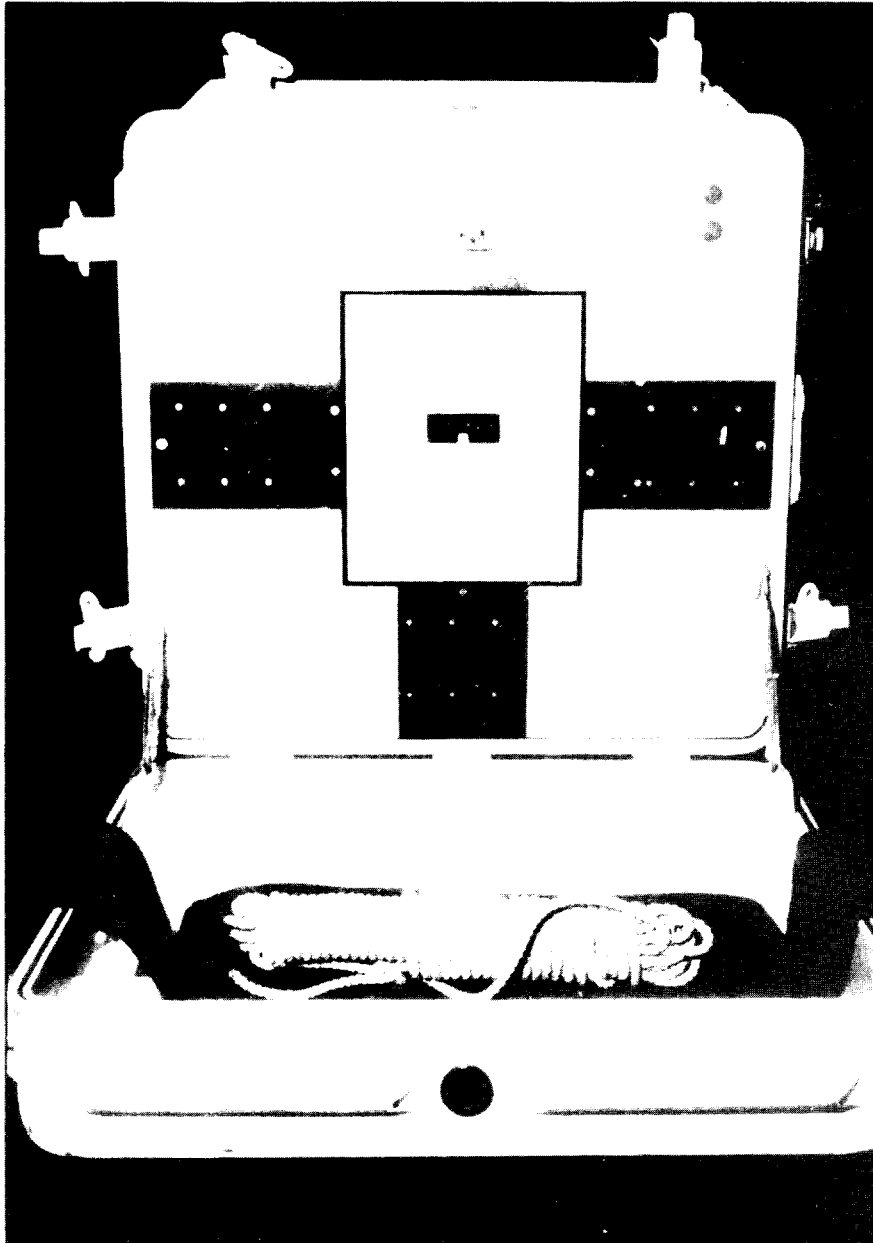
b. TGMTS can be fitted to the M48A5, M60, M60A1, and M60A3 tanks, Improved TOW Vehicle (ITV), and similar turret trainers.

TRAINING APPLICATIONS

TGMTS will train/reinforce tasks derived from the following references:

- a. Trainer's Guide FM 1 9E/TG, Skill Levels 1, 2, 3, 4, for M60A3 tank.
- b. Tank Commander's Guide (Crew Drills), FM 17-13-2, for M48A5/M60A1.
- c. Tank Commander's Guide, FM 7-13-3, for M60A3 tanks.
- d. Tank Crew Gunnery Skills Test, FM 7-12 3, for M60A3 tank

**SMALL ARMS ALIGNMENT FIXTURE (SAAF)M1
FOR MULTIPLE INTEGRATED LASER ENGAGEMENT
SIMULATION (MILES)**



DVC 99-25

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

AMCCOM.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

The SAAF is a battery powered, portable device used for field alignment of the MILES M16 rifle and M60 machine gun sights to the MILES transmitter beam. The target face replicates a standard 25 meter target and it is used at this distance. The soldier fires a laser shot at the target and the target displays the number of clicks up or down, left or right, he must move his weapon sights to zero the strike point of the laser. The displays are self-updating and power automatically turns off after 24 minutes of non use.

TRAINING APPLICATIONS

The device is used while training with other MILES devices.

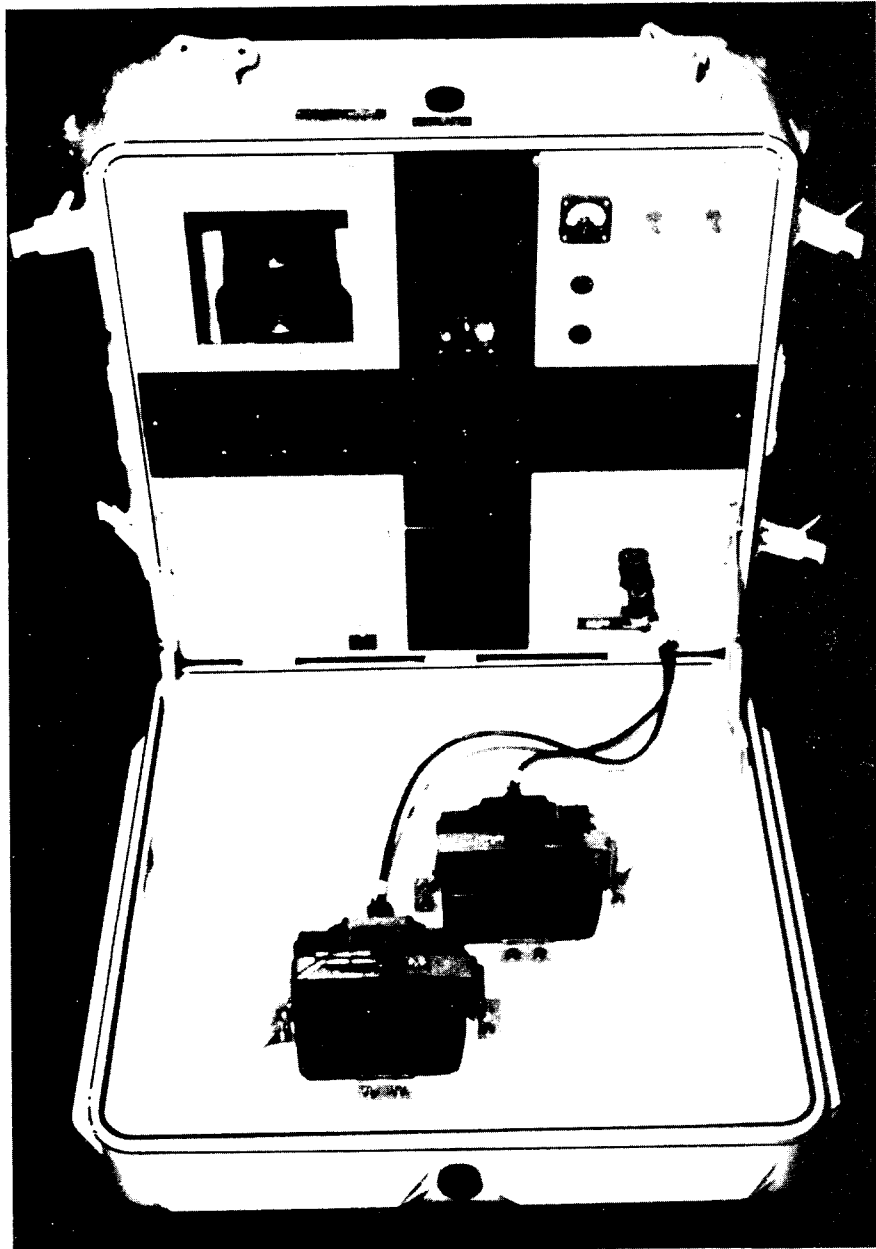
POWER REQUIREMENTS:

Three 6V lantern batteries, BA 200, NSN 6135-00-050-3280, are required.

APPLICABLE PUBLICATIONS:

TM 9-6920-436-14 & P

**MULTIPLE RANGE ALIGNMENT DEVICE (MRAD) M3
FOR MULTIPLE INTEGRATED LASER ENGAGEMENT
SIMULATION (MILES)**



DVC 99-26

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

AMCCOM.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

The MRAD is a battery powered, portable device used as an aid in the field alignment of all heavy weapon MILES transmitters and the MILES TOW transmitter mounted on the AH-1 attack helicopter. Visual indicators are provided for long and short range. The MRAD is self-testable and range selectable.

TRAINING APPLICATIONS

The device is used prior to a MILES mission or at any time the sights would normally be adjusted.

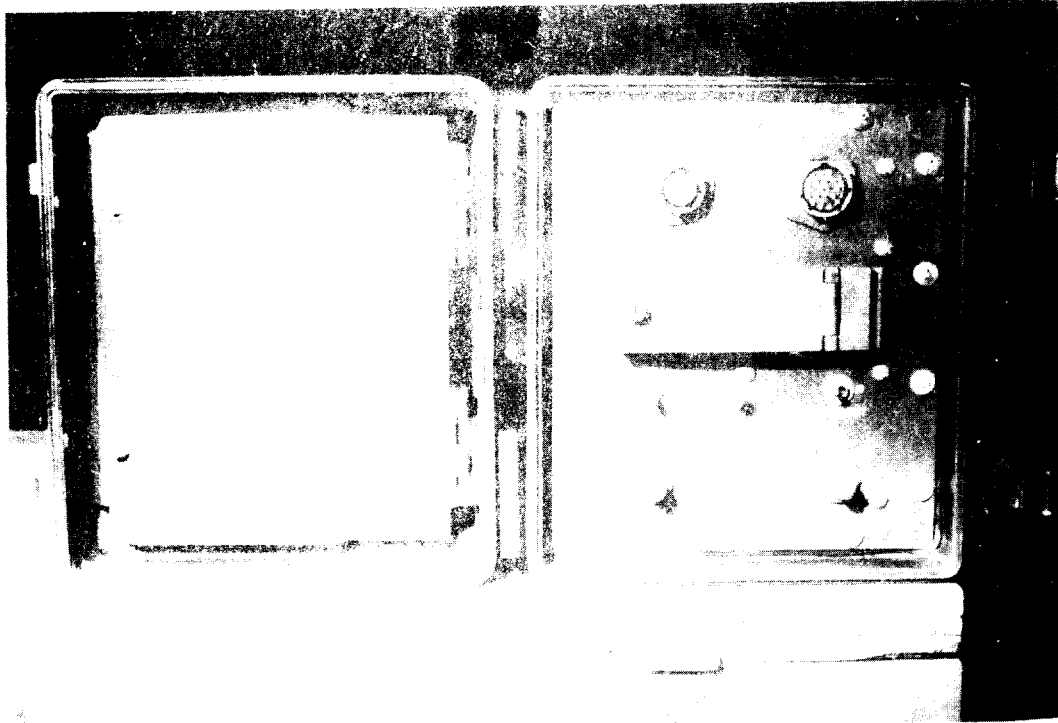
POWER REQUIREMENTS:

Four 6V lantern batteries, BA 200, NSN 6135-00-050-3280, are required which are installed in two battery boxes secured to the inside of the lower case lid.

APPLICABLE PUBLICATIONS:

TM 9-1270-223-10
TC 25-6-3

**LASER ALIGNMENT CONTROL ASSEMBLY (LACA)
M175 FOR MULTIPLE INTEGRATED LASER
ENGAGEMENT SIMULATION (MILES)**



DVC 99-27

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

AMCCOM,

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

The LACA is a battery powered, portable device used to align the Telescopic Sight Unit (TSU) to the laser beam emitted from the MILES TOW transmitter mounted on the AH-1S helicopter, It is used in connection with the MRAD and allows TSU boresighting to be accomplished,

TRAINING APPLICATIONS

This device is used prior to a MILES mission and at any time that a crew member would normally be expected to adjust his sights.

POWER REQUIREMENTS:

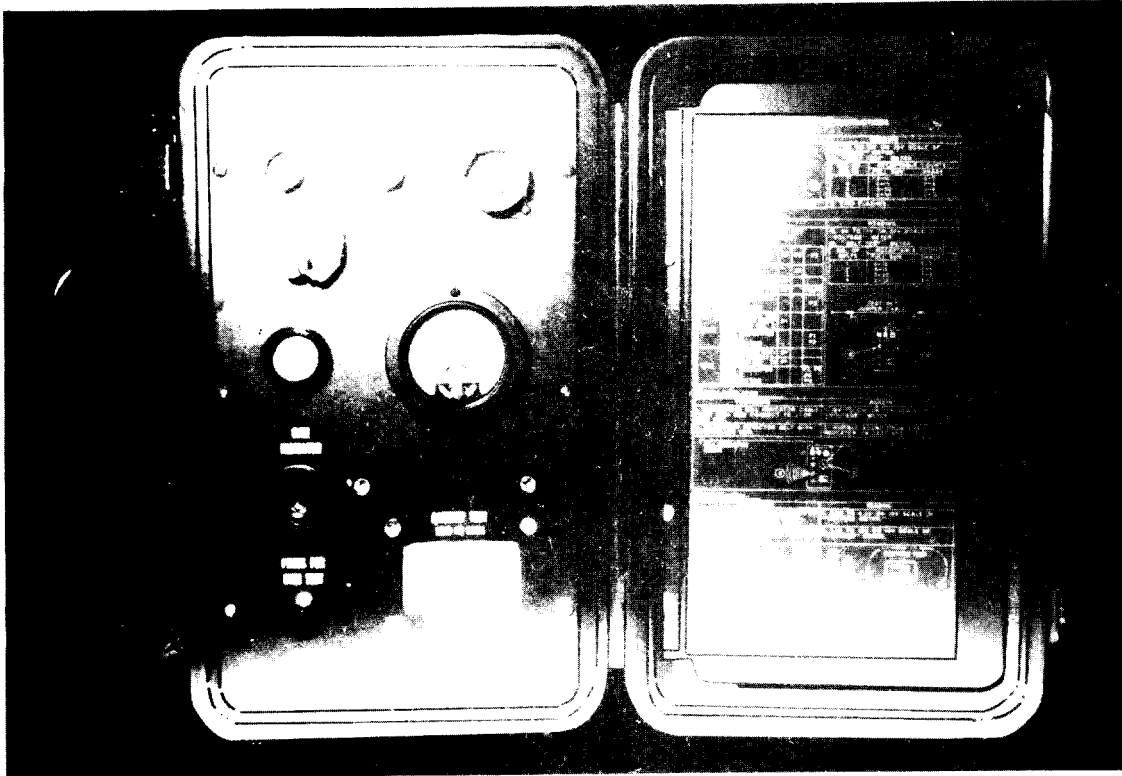
One 9V battery, BA 3090, NSN 6135-01-063-1978, is used.

APPLICABLE PUBLICATIONS:

TM 9-1270-223-10

TC 25-6-3

**ELECTRONICS SYSTEMS TEST SET (ESTS) M144
FOR MULTIPLE INTEGRATED LASER ENGAGEMENT
SIMULATION (MILES)**



DVC 99-28

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

AMCCOM.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

The ESTS is also known as the Vehicle System Test Set (VSTS). It is a small, self-contained field test set used to isolate faults in MILES vehicle systems. Items which are tested include detector belts, control consoles, CVKI, cables, power supplies, batteries, and battery boxes. The hardened case of the ESTS contains a detailed troubleshooting procedure and a jumper cable necessary for some tests. The set incorporates a voltmeter, an audible horn alarm, a belt test meter, battery test terminals, and cable connection points.

TRADOC Pam 71-9

TRAINING APPLICATIONS

The ESTS should be used whenever MILES system faults require troubleshooting.

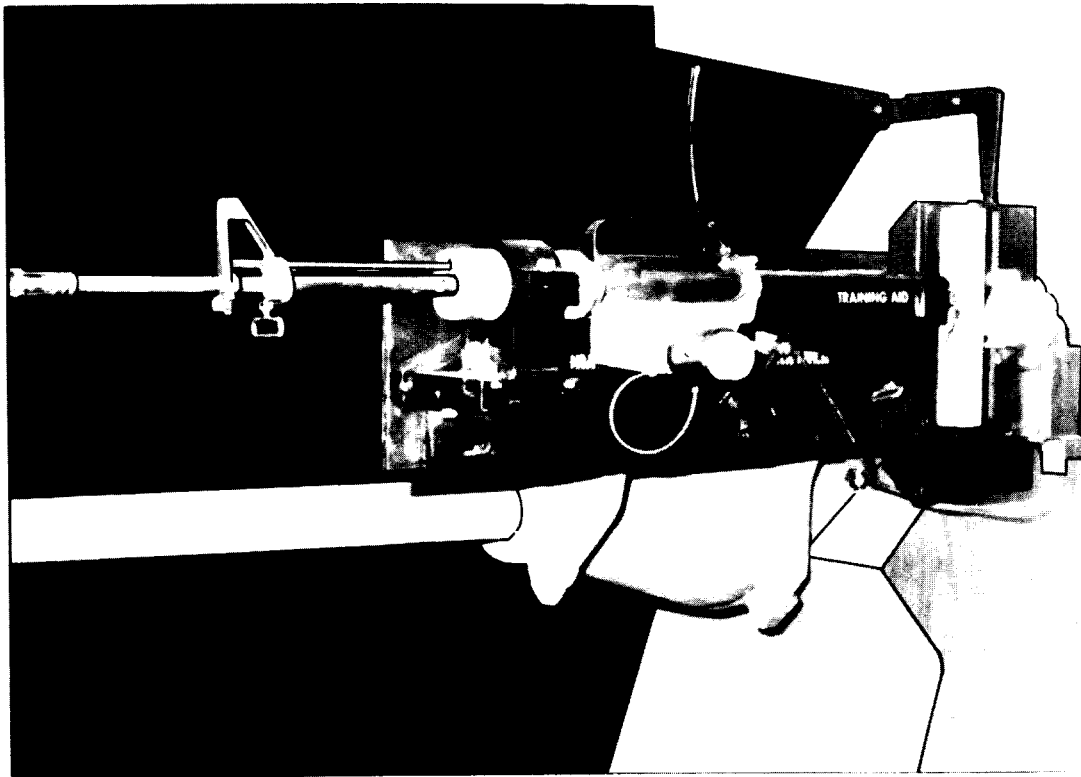
POWER REQUIREMENTS:

Power supplied by system under test.

APPLICABLE PUBLICATIONS:

TC 25-6-1

REAVIS SUBCALIBER DEVICE FOR BRADLEY



DVC 99-29

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Not available at local TSC (limited production).

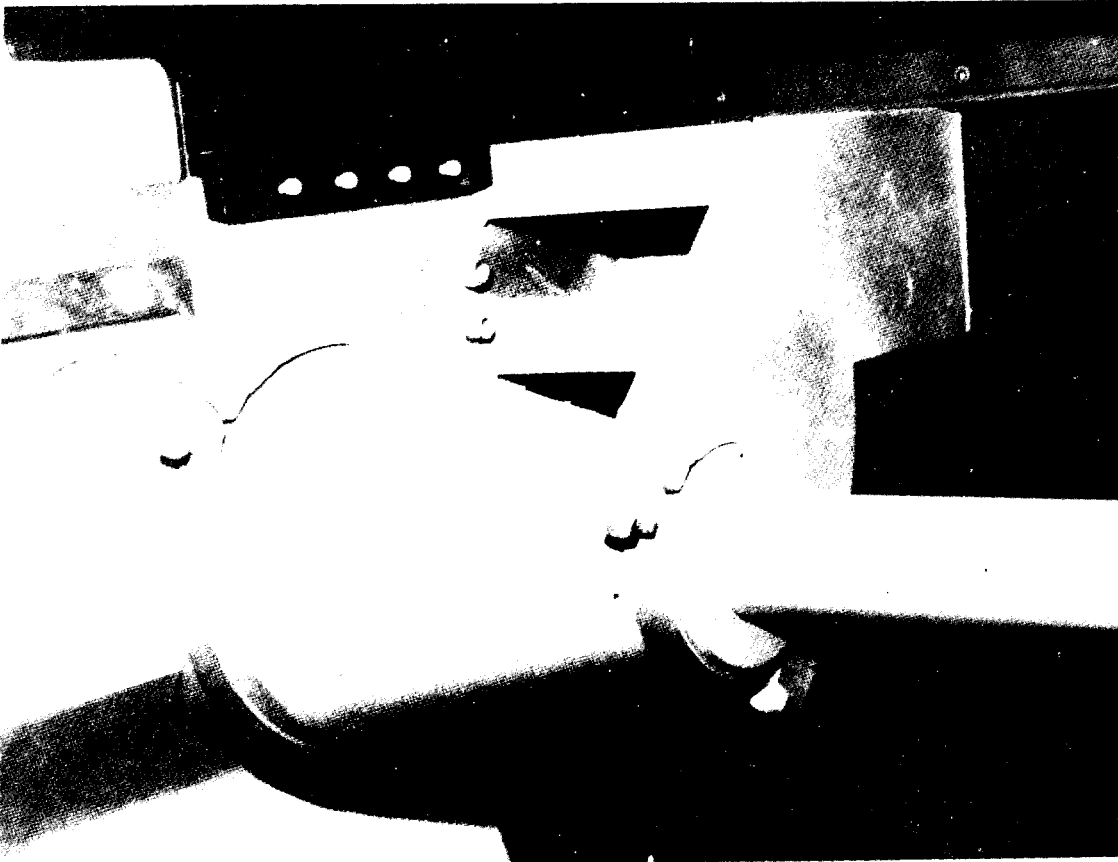
DESCRIPTION

The REAVIS device is a specialized mount for an M16 rifle. The device is fastened to a bracket mounted on the main gun turret/barrel of a Bradley Fighting Vehicle (BFV). It includes a basic frame with fittings for an M16 rifle, gear drive motor, rifle elevation indicator, and a wiring harness.

TRAINING APPLICATIONS

This device is used for training infantry and cavalry Bradley Fighting Vehicle crews in garrison and/or local training areas on Scaled Range Target Systems to support the conduct of fire gunnery tables prescribed in the BFV gunnery manual.

MOUNTING BRACKET FOR REAVIS DEVICE



DVC 99-30

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Not available at local TSC (limited production).

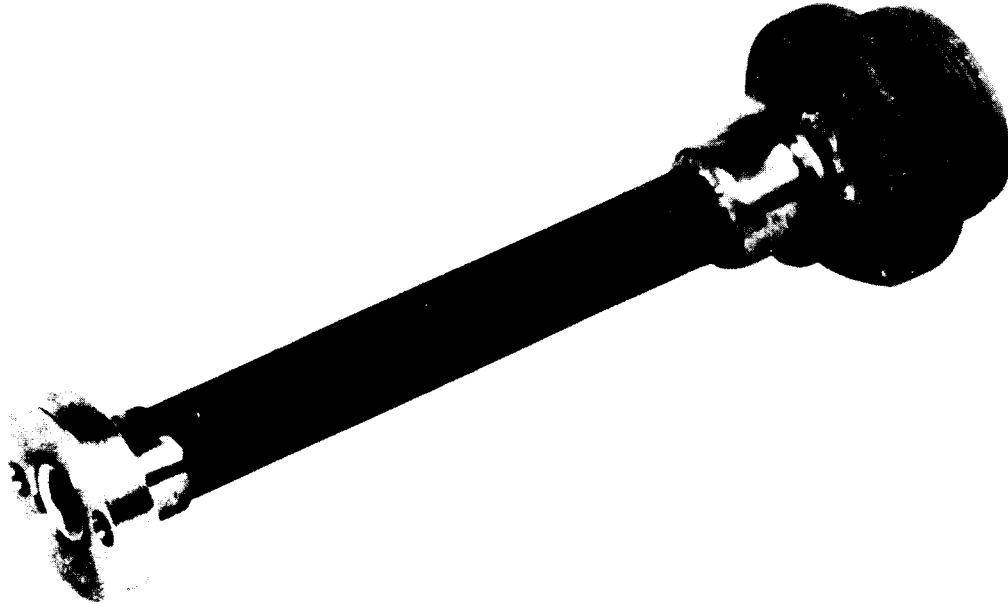
DESCRIPTION

A welded steel or aluminum bracket which is clamped to the 25mm main gun turret ring/barrel of the Bradley Fighting Vehicle for mounting a REAVIS device.

TRAINING APPLICATIONS

The mounting bracket is used in conjunction with the REAVIS device to train crews of the Bradley Fighting Vehicles to support the conduct of fire gunnery tables on scaled ranges.

**WALENTINE SUBCALIBER IN BORE DEVICE FOR -
COMBAT ENGINEER VEHICLE (CEV)**



DVC 99-31

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

Commercial Item.

SOURCE AND METHOD OF OBTAINING:

Devices are in the system but not available through TSC.

DESCRIPTION

The device consists of a modified M3A1 .45 caliber submachine gun barrel, NSN 1005-00-986-0261. Two brass rings are fitted to the barrel, the rear bushing is permanently fixed while the muzzle-end ring is screwed in place and removable.

TRAINING APPLICATIONS

The CEV crew performs all tasks including boresighting, zeroing, fire commands, burst-on-target adjustment and sensing.

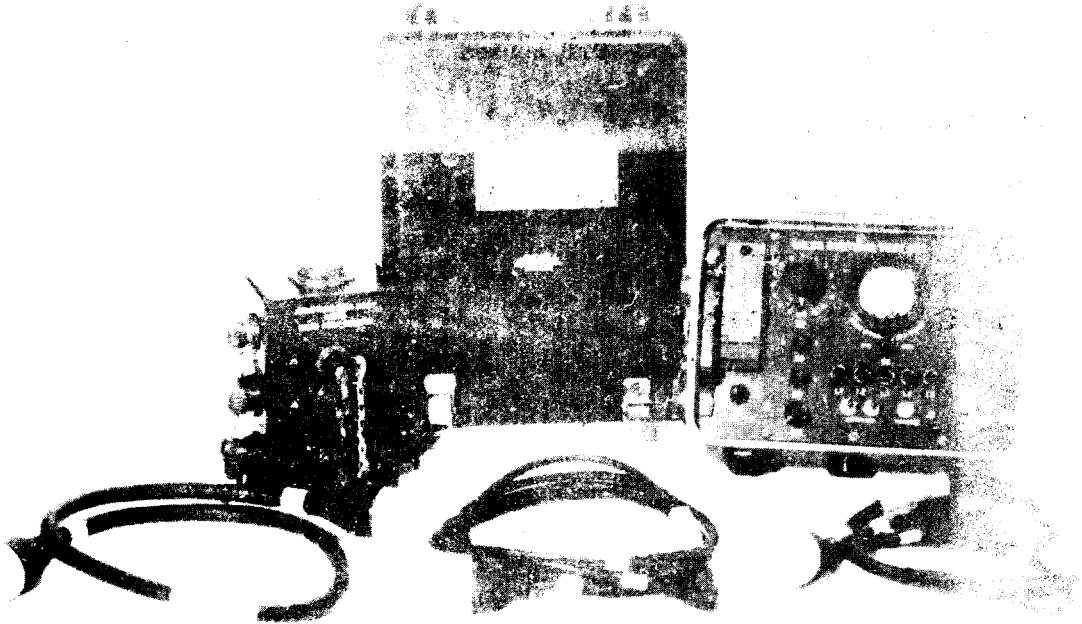
FUNCTIONAL DESCRIPTION

The M3A1 submachine gun with the modified .45 caliber barrel is fitted into the firing pin well of the breech block of the 165mm main gun of the M278 CEV. It fires M-26, DODIC A479, tracer at ranges of 100, 200 and 300 meters on a half scale range.

REFERENCE PUBLICATION:

FM 17-12-6

MULTIPLE INTEGRATED LASER ENGAGEMENT SIMULATION (MILES) SYSTEM TEST SET (MSTS)



DVC 99-32

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY

PM TRADE.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC

DESCRIPTION

The MSTS is a small, portable field tester used to isolate faults in MILES systems. Testable MILES assemblies with the MSTS are ACIA, CKI, ALCA, ALCA adapter assembly, AKI, TOW transmitter, flashwess, 20mm transmitter, rocket launcher, smoke assembly, headsets, detector belts/assemblies, batteries/battery boxes, and all MILES cables. The MSTS is self-contained in a hardened instrument case. The front panel contains all of the meters, gauges, lights, and switches, and a headset. Ancillary equipment issued with the MSTS includes a test set junction box, test set interconnect cable, test set interface cable, and a test set detector cable. All connections between the MILES simulator and the MSTS are accomplished with these ancillary items.

TRAINING APPLICATIONS

The MSTS may be used any time MILES simulator equipment problems occur, but is primarily used for troubleshooting during the initial installation of MILES equipment on the aircraft detection and weapon systems.

POWER REQUIREMENTS:

One 9V BA3090/U, NSN 6135-01-063-1978, is used.

APPLICABLE PUBLICATIONS:

TM 9-1265-208-10 TM 9-1270-224-10 TM 9-1265-207-10
TM 9-1270-222-10 TM 9-1270-223-10 TM 9-1265-201-10

INTERIM UH-60 FOR MULTIPLE INTEGRATED LASER ENGAGEMENT SIMULATION (MILES)



DVC 99-33

LOGISTIC RESPONSIBLE COMMAND, SERVICE

PM TRADE.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC (limited production).

DESCRIPTION

The interim UH-60 kit is a MILES device which will be replaced by the UH-60 kit for the Blackhawk (DVC 07-65/9) in 1989.

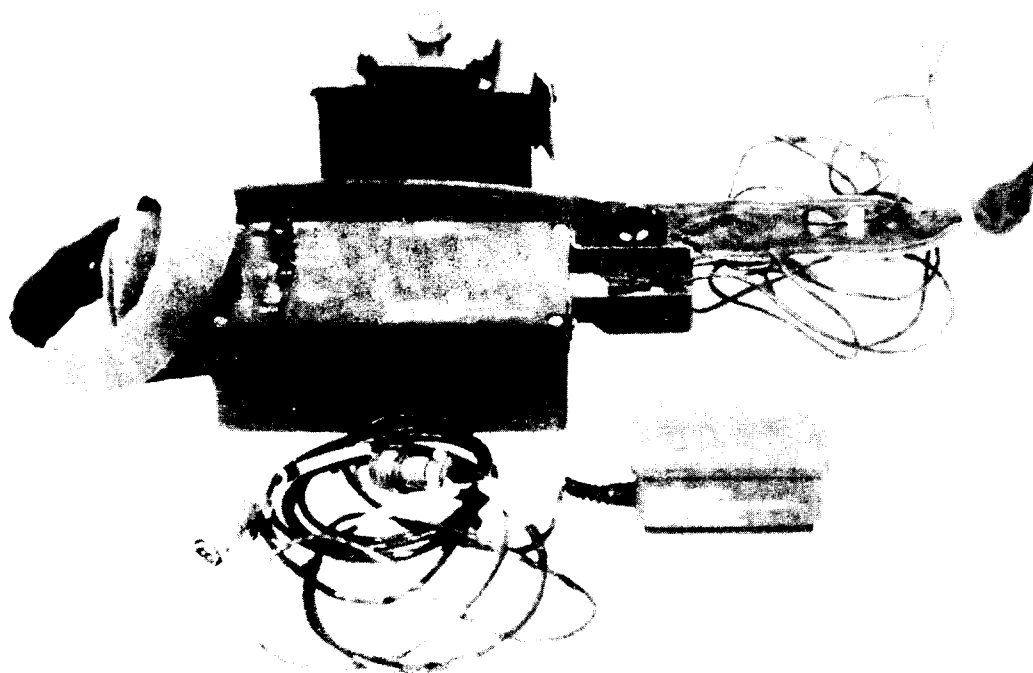
TRAINING APPLICATIONS

The device is used while training on the UH-60 helicopter.

POWER REQUIREMENTS:

Two 6V batteries, BA 200, NSN 6135-00-050-3280, and two 9V batteries, BA 3090/U, NSN 6135-01-063-1978, are required.

LASER TARGET INTERFACE DEVICE (PROTOTYPE)



DVC 99-34

LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Not available at local TSC (limited production)

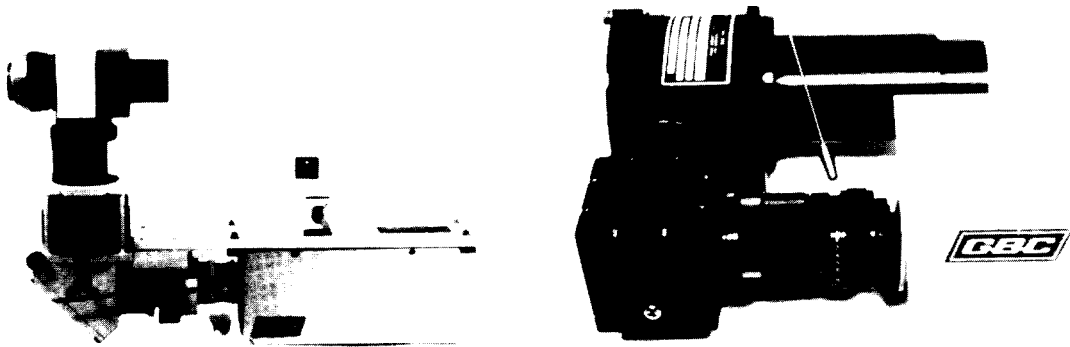
DESCRIPTION

The Laser Target Interface Device (LTID) can be easily mounted on all targets and causes the target mechanism to fall down upon receipt of the appropriate laser hit/kill code. It is activated by Multiple Integrated Laser Engagement System (MILES) transmitters and is coded to respond to hits from laser equipped tanks, missiles, 25mm, .50 caliber, 7.62mm coax and small arms weapon systems. The LTID is battery powered, transportable, easy to install, responsive between 50 and 3000-4000 meters, compatible with MILES/Air Ground Engagement System (AGES) kill codes, and is capable of providing selection of types of target (personnel, truck/light armor, and tank).

TRAINING APPLICATIONS

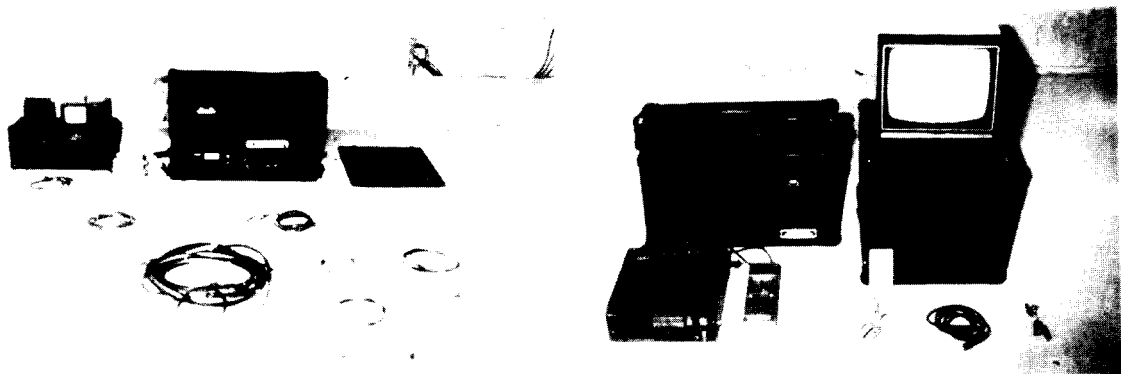
The LTID permits use of existing and future Army laser transmitters on all standard direct-fire weapons, 5.56mm thru 120mm, to sustain year round gunnery training in temperate, desert, and tropical environments.

THRU SIGHT VIDEO (TSV)



**DVC 99-35/1
(M60A3)**

**DVC 99-35/2
(M1)**



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

ATSC.

SOURCE AND METHOD OF OBTAINING:

Not available at local TSC (limited production).

DESCRIPTION

The Thru Sight Video (TSV) is a self-contained modular video/audio recording system designed to record sight picture, tracking technique, precision lay, fire commands, crew duties, and crew responses to given situations. The system consists of a camera lens housing assembly, video cubicle assembly, video recorder enclosure with mounting plate, video time date generator with power supply, cables, 1/2" video and playback unit with monitor. The total system is crew installed and aligned with the vehicle sights. The TSV is a relatively simple system requiring a minimum amount of training and can be installed ready for operation in less than one hour.

TRAINING APPLICATIONS

TSV can be effectively used for basic, intermediate, and advanced gunnery and tactical tables giving the trainer or evaluator a more indepth view of crew performance.

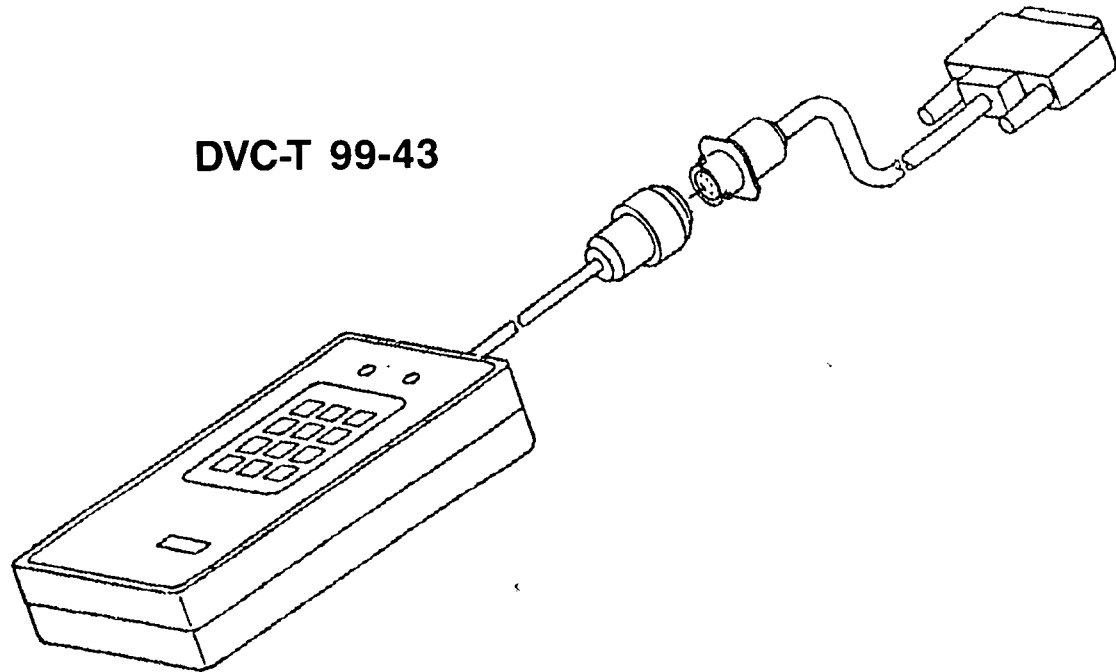
PHYSICAL DESCRIPTION

A set of TSV equipment in storage is estimated to occupy a space 9' wide x 4' high x 12' in depth for a total of 432 cu. ft.

REFERENCE PUBLICATION:

FM 17-12-1
FM 17-12-3

PROBABILITY OF KILL LOADER (PKL) FOR THE INDEPENDENT TARGET SYSTEM (MITS)



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

STRICOM.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

DESCRIPTION

The PKL is a battery operated, hand-held device with a 1-foot, non-removable cable for interfacing with the MITS electronic controller unit (ECU) to upload PK tables. Also included are software and a PC/PKL interface cable for connecting the PKL to an IBM compatible personal computer (PC) or laptop computer for downloading PK tables to the PKL.

TRAINING APPLICATIONS

The PKL provides the capability to change the PK tables in MITS for Multiple Integrated Laser Engagement System (MILES) training exercises.

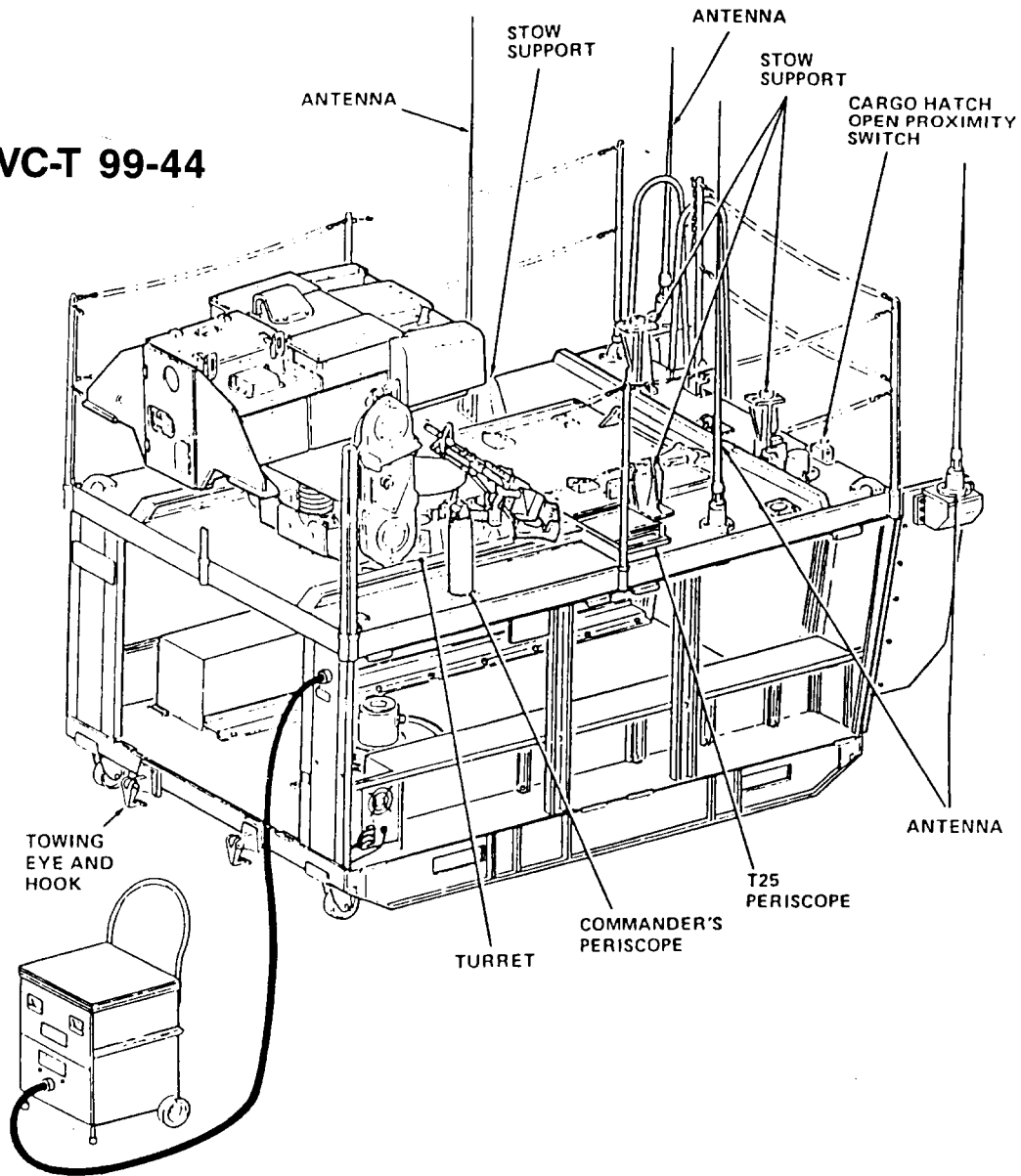
POWER REQUIREMENTS

One 9V battery, EV 522, NSN 6135-00-900-2139 is required to operate PKL.

FIRE SUPPORT TEAM VEHICLE (FIST-V)

TURRET TRAINER M981

DVC-T 99-44



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

Local support for organizational repair, repairs above organizational capability fall under CLS.

SOURCE AND METHOD OF OBTAINING:

Trainer is manufactured by Electronics and Space Corporation of St. Louis, Mo.

DESCRIPTION

The turret trainer is used effectively as a simulation trainer for the M981 targeting station, allowing four to eight students easy observation of all training activities. Provisions are made to accommodate an instructor and a complete crew minus the driver.

TRAINING APPLICATIONS

The turret trainer closely resembles the M981 vehicle both above and below deck and uses many of the same components as are mounted on the M981 vehicle. This permits the turret trainer to be used as a maintenance trainer as well as a crew trainer.

PHYSICAL DESCRIPTION

The turret trainer consists essentially of a welded steel frame made to the approximate dimensions of the M981 vehicle excluding the drivers area. The trainer occupies an area approximately 146 inches in length, 98 inches in width, 138 inches in height. Trainer weighs 6,000 lbs without targeting station and 9,400 lbs with targeting station installed. Power requirements are 24 VDC, 220/440 VAC 3 phase and 115 VAC single phase.

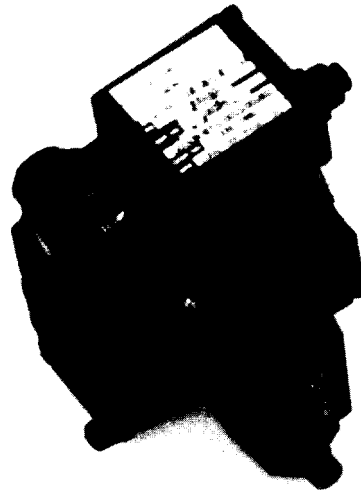
REFERENCE PUBLICATION

EM 12376936-14&P (OPERATIONAL AND MAINTENANCE MANUAL).

**SIMULATOR SYSTEM, FIRING, LASER: FOR M24/M21
SNIPER RIFLE**

**SNIPER XMTR
DVC NO. 99-45**

**M21 BRACKET
DVC NO. 99-45/1**



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

STRICOM.

SOURCE AND METHOD.OF OBTAINING:

Available at local TSC.

DESCRIPTION

The M24/M21 Sniper Transmitter is a component of Multiple Integrated Laser Engagement System (MILES). MILES is a family of training systems which simulate the effects of direct fire weapons at their operational ranges. The Sniper MILES system consists of a laser transmitter mounted on the barrel of the weapon and is used with MILES torso and soft hat harnesses. The bracket provided for mounting the transmitter on an M24 Sniper rifle may be removed and replaced by an M21 adapter.

TRAINING APPLICATION

The MILES transmitter for the M24/M21 Sniper Weapons supports training of special forces and ranger units.

FUNCTIONAL DESCRIPTION

When a laser beam from the transmitter strikes a detector, an alarm on the soft hat harness informs the soldier that he has suffered a "near miss" or that he has been "killed". If the soldier is killed, the alarm will be continuous. To shut off the alarm, the soldier must remove a key from his transmitter and put it in a receptacle on his load carrying harness. With the key removed from the transmitter, the laser transmitter will not operate. Removing the weapon capability to fire simulates a combat casualty.

POWER REQUIREMENTS

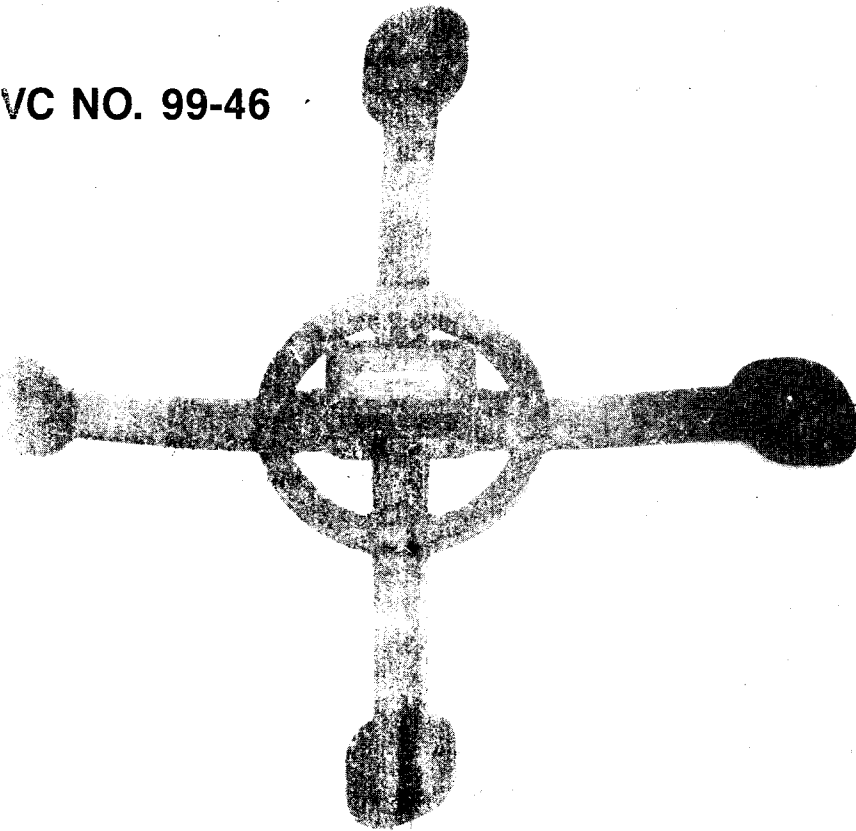
One 9V battery, PN 522, NSN 6135-00-900-2139.

APPLICABLE PUBLICATION

TM 9-1265-211-10

MAN WORN DETECTOR ASSEMBLY, SOFT HAT

DVC NO. 99-46



LOGISTIC RESPONSIBLE COMMAND, SERVICE, OR AGENCY:

STRICOM.

SOURCE AND METHOD OF OBTAINING:

Available at local TSC.

DESCRIPTION

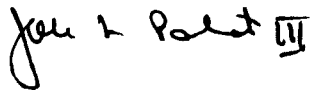
The soft hat man-worn detector assembly is a component of Multiple Integrated Laser Engagement System (MILES). MILES is a family of training systems which simulate the effects of direct fire weapons at their operational ranges. The soft hat harness is used with a small arms weapon system transmitter and a torso harness.

The proponent of this pamphlet is the Deputy Chief of Staff for Training. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) through channels to Commander, U.S. Army Training Support Center, ATTN: ATIC-DMF, Fort Eustis, VA 23604-5166.

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