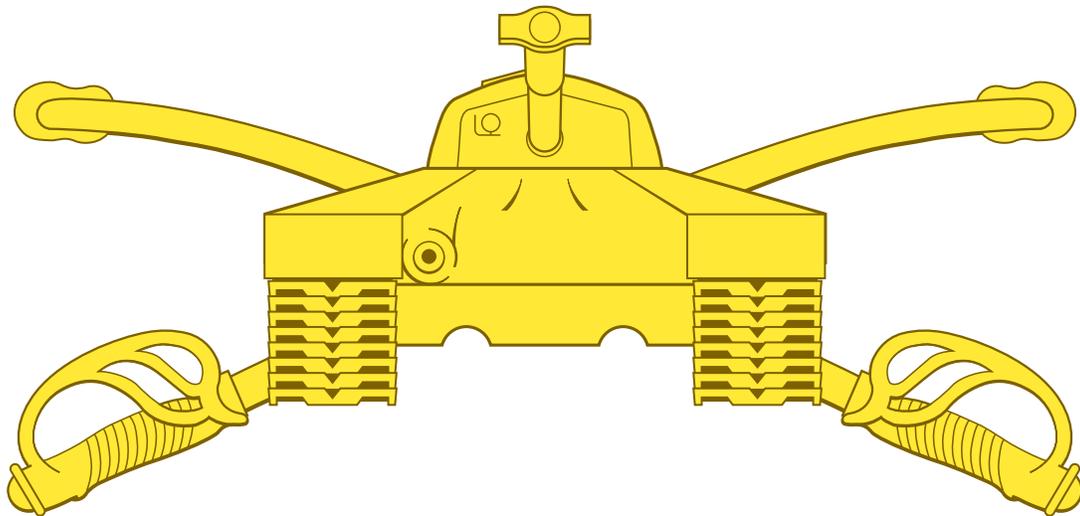


# ARMOR

17  
SERIES

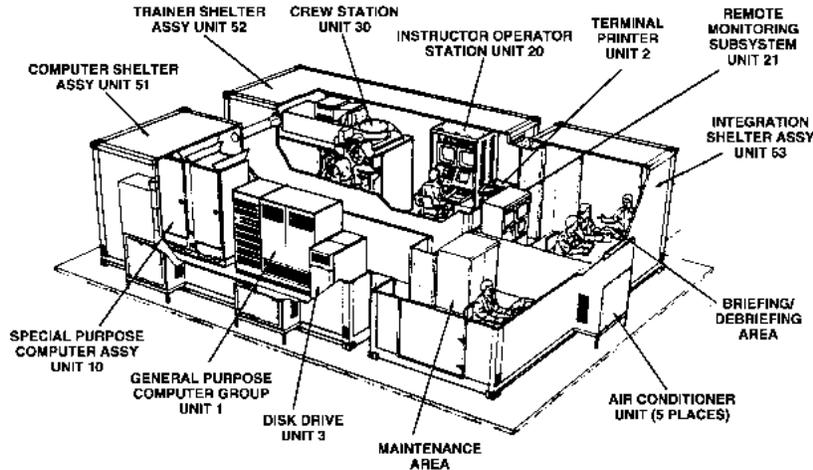
- DEVICE
- GTAs
- VIDEOTAPES



<http://www.hood.army.mil/TSC>

# BRADLEY FIGHTING VEHICLE UNIT CONDUCT OF FIRE TRAINER (M2/M3 UCFT)

DVC 17-74  
DVC 17-74A  
DVC 17-127



## TRAINING CATEGORY/LEVEL UTILIZED:

Armor (M3)/ Infantry (M2)/  
Armor/Level 1

## EQUIPMENT REQUIRED, NOT SUPPLIED:

None

## SOURCE AND METHOD OF OBTAINING:

Not generally available for issue  
(limited production).

## SPECIAL INSTALLATION REQUIREMENTS:

UCOFT is installed in  
three basic mobile facility  
shelters to form a complex.

## PURPOSE OF TRAINER:

To train the Gunner and Track  
Commander on the Bradley Fighting  
Vehicle M2/M3 in organizational  
procedures, target acquisition, reticle  
aim target engagement and system  
management.

## POWER REQUIREMENTS:

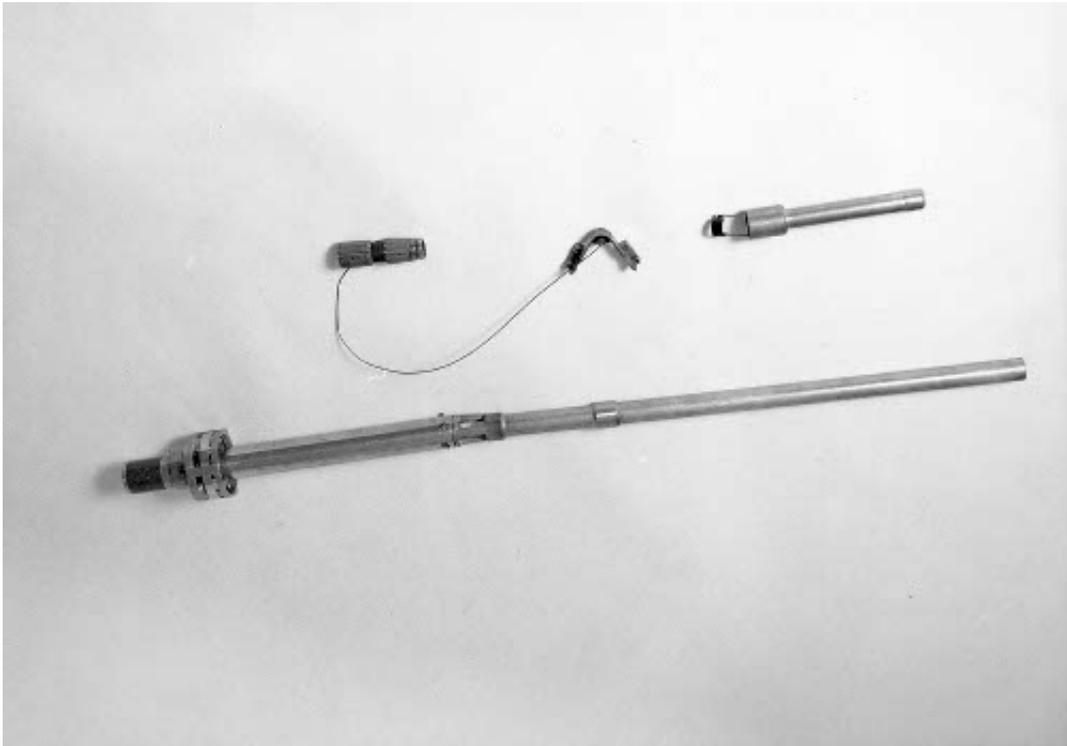
120/208 V AC, 3-phase.  
50/60 Hz, 4-wire maximum  
peak power is 125 KVA,  
including 20

## PHYSICAL INFORMATION:

Computer Shelter: 238.5" x 96" x 96";  
Weight: 9,000 lbs.  
Integration Shelter 238.5 x 96" x 96";  
Weight: 12,000 lbs.  
Trainer Shelter: 238.5" x 96" x 96";  
Weight: 7,000 lbs.

## M21 BLANK FIRING ATTACHMENT

DVC 17-134



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available through local TSC

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**PURPOSE OF TRAINER:**  
The M21 Blank firing attachment permits the firing of linked blank 7.62mm ammunition in the M240 Machine Gun.

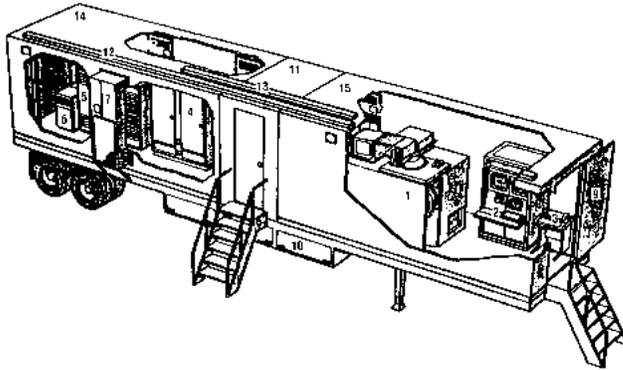
**POWER  
REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**  
Weight: Approximately 3 lbs.  
(Each component)

**PUBLICATIONS:**  
TM 9-1005-316-12& P

# M60A3/M1 TANK MOBILE CONDUCT OF FIRE TRAINER (MCOFT)

DVC 17-138 (M60A3/M1)



1. - CREW STATION
2. - INSTRUCTION OPERATOR STATION 105
3. - PRINTER
4. - SPECIFIC PURPOSE COMPUTER
5. - GENERAL PURPOSE COMPUTER
6. - DISK
7. - AIR-CONDITIONER
8. - TRAINING ENTRANCE
9. - EMERGENCY EXIT
10. - STORAGE
11. - WALKWAY
12. - ENTER SHELTER POWER CABLE DUCTS
13. - INTER SHELTER SIGNAL CABLE DUCTS
14. - COMPUTER SHELTER
15. - TRAINER SHELTER

**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 1

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Not generally available for issue  
(limited production)

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
Installed in two basic mobile facility shelters mounted on a 45 ft. air-ride trailer. A 30' X 60' concrete pad is required with electrical and telephone lines.

**PURPOSE OF TRAINER:**  
To train the gunner and tank commander on Abrams M1 and M60A3 tanks in organizational procedures, target acquisition, reticle aim, target engagement and system management.

**POWER  
REQUIREMENTS:**  
120/208 V AC, 60 Hz,  
3-phase, 4-wire

**PHYSICAL INFORMATION:**  
45' L x 8' W x 13'6" H;  
weight approx. 2,000 lbs.

**PUBLICATIONS:**  
TM 9-6920-744-10  
TM 9-6920-760-10  
TM 9-6920-744-15  
TM 9-744-23-100  
TM 9-6920-23-109

## THRU-SIGHT VIDEO (TSV SYSTEM)

DVC 17-143



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 1

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
As described in  
TD 9-6920-708-10

**PURPOSE OF TRAINER:**  
The TSV is a vehicle-appended system that provides video and audio recording of gunnery or tactical engagement exercises in real-time.

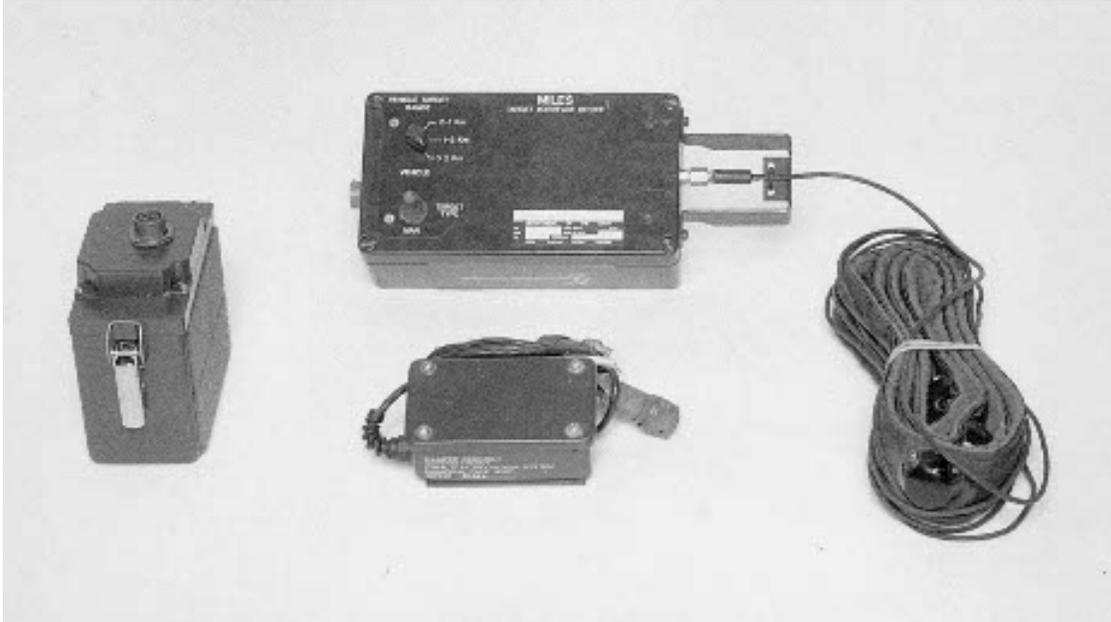
**POWER REQUIREMENTS**  
None

**PHYSICAL INFORMATION:**  
System consists of three transit cases.  
Case #1: 29.75 x 29.75 x 29.25"  
Case #2: 29.75 x 29.75 x 31"  
Case #3: 29.75 x 29.75 x 29.25"

**PUBLICATIONS:**  
TM 9-6920-708-10

# LASER TARGET INTERFACE DEVICE

DVC 17-146



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Combat Arms/Level 3

**SOURCE AND METHOD OF OBTAINING:**  
Available at TSC

**PURPOSE OF TRAINER:**  
Causes the target mechanism to fall down upon receipt of the appropriate laser hit/kill code.

**PHYSICAL INFORMATION:**  
2 Transit Cases Weight: 7 lbs. Each  
and are 11" x 4" x 7"

**EQUIPMENT REQUIRED, NOT SUPPLIED:**  
Battery BA 200  
(6V lantern)

**SPECIAL INSTALLATION REQUIREMENTS:**  
None

**POWER REQUIREMENTS:**  
12 V DC

**PUBLICATIONS:**  
TM 9-1265-376-10

## BOARD, TANK TIMING

DVC T 17-021



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**PURPOSE OF TRAINER:**  
Used to time tank gunnery  
qualification table

**POWER REQUIREMENTS:**  
1.5 V DC Battery

### PHYSICAL INFORMATION

A wooden case containing 8  
stopwatches.  
Case measures 14" x 10" x 2 1/4"

**PUBLICATIONS:**  
None

## ARMOR VEHICLE MODELS (1/35TH SCALE)

DVC-T 17-102



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available through local TSC

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**PURPOSE OF TRAINER:**  
These models may be used for  
classroom or outdoor instruction in  
the recognition of armored vehicles.

**POWER REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**  
Solid hard plastic, three  
dimensional, 1/35th scale models of  
American and foreign nation  
armored vehicles.

**PUBLICATIONS:**  
None

## 120MM TRAINING ROUND (HEAT/SABOT) MPAT

DVC T 17-107 SABOT

DVC T 17-108 HEAT

DVC T 17-111 MPAT



**TRAINING CATEGORY/LEVEL UTILIZED:**

Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**

None

**SOURCE AND METHOD OF OBTAINING:**

Available at local TSC

**SPECIAL INSTALLATION  
REQUIREMENTS:**

None

**PURPOSE OF TRAINER:**

Provides the loader with training in ammunition identification, handling and chambering experience, safety practices and damage avoid ability.

**POWER REQUIREMENTS:**

None

**PHYSICAL INFORMATION:**

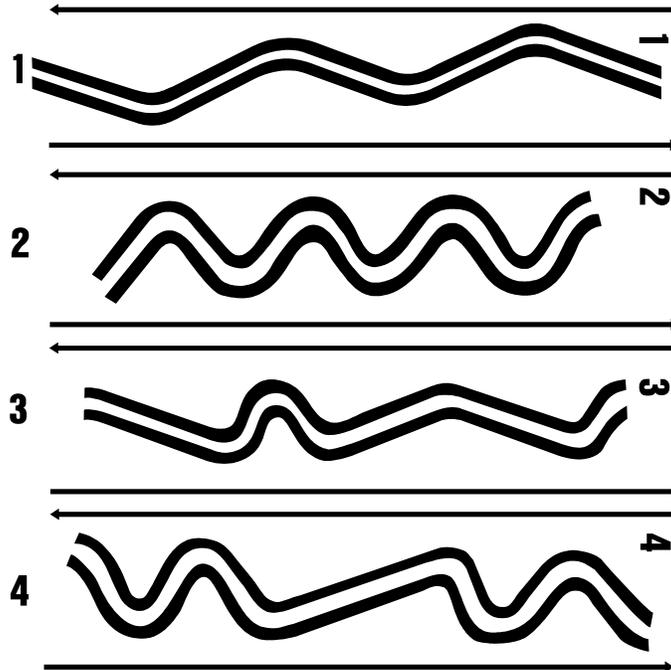
A replica of the actual service round.

**PUBLICATIONS:**

None

## SNAKE BOARDS (WITHOUT TEXT)

FHTD 17-004A WOOD  
FHTD 17-004B PLASTIC  
FHTD 17-004C CANVAS



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**PURPOSE OF TRAINER:**  
Used to train gunners on the gun  
controls.

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**  
Wood - 6' X 6' Frame covered  
w/1/2" MDO BD.  
Plastic - 6' X 6' Wood frame  
covered w/white plastic.  
Canvas - 6' X 6' Canvas w/4  
Grommets.

**POWER REQUIREMENTS:**  
None

**PUBLICATIONS:**  
None

## WARSAW PACT THERMAL TARGETS (1/20TH SCALE)

FHTD 17-009



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**PURPOSE OF TRAINER:**  
Used as an aid for verifying tank thermal sights.

**PHYSICAL INFORMATION:**  
Aluminum Construction  
Scale 1:20 (Approx.)  
Kit Contains 15 items  
Carrying Case 31' x 34" x 8"  
Weight: 67 lbs.

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
Heat Source... Candle,  
Charcoal, etc

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**POWER REQUIREMENTS:**  
None

**PUBLICATIONS:**  
None

## BORESIGHT & ZERO TARGET PANEL, CANVAS

FHTD 17-011



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**PURPOSE OF TRAINER:**  
Used as an aid for boresighting.

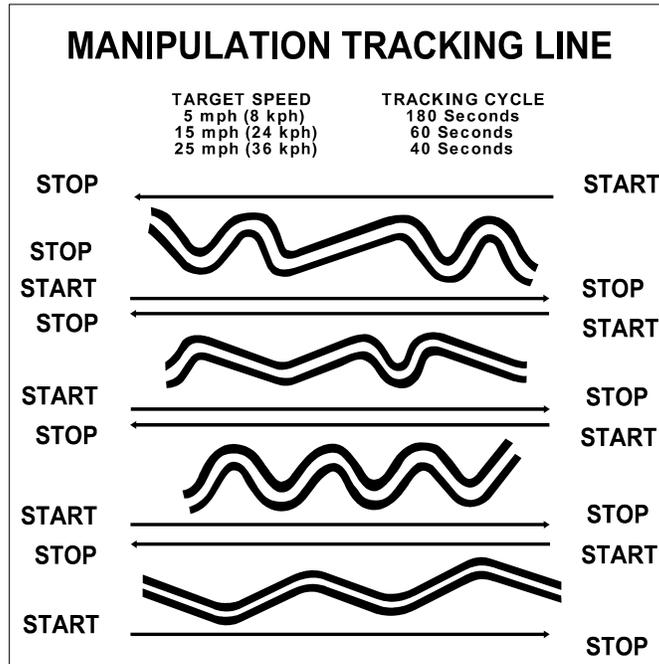
**POWER REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**  
4' x 6' Canvas with 4 grommets

**PUBLICATIONS:**  
None

## SNAKE BOARDS (WITH TEXT)

FHTD 17-014A WOOD  
 FHTD 17-014B PLASTIC  
 FHTD 17-014C CANVAS



**TRAINING CATEGORY/LEVEL UTILIZED:**  
 Armor/Level 3

**EQUIPMENT REQUIRED,  
 NOT SUPPLIED:**  
 None

**SOURCE AND METHOD OF OBTAINING:**  
 Available at local TSC

**PURPOSE OF TRAINER:**  
 Used to train gunners on the gun controls.

**SPECIAL INSTALLATION  
 REQUIREMENTS:**  
 None

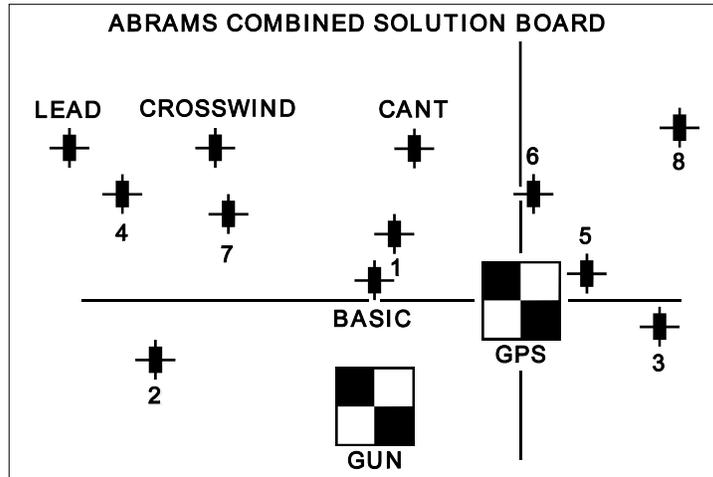
**PHYSICAL INFORMATION:**  
 Wood - 6' X 6' Frame covered  
 w/1/2" MDO BD.  
 Plastic - 6' X 6' Wood frame  
 covered w/white plastic.  
 Canvas - 6' X 6' Canvas w/4  
 Grommets.

**POWER REQUIREMENTS:**  
 None

**PUBLICATIONS:**  
 None

## ABRAMS COMBINED SOLUTION BOARD

FHTD 17-016A WOOD  
FHTD 17-016B PLASTIC  
FHTD 17-018 CANVAS



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**PURPOSE OF TRAINER:**

Used to test the ability of the CEU to compensate for the values received from the fire control system components and determine a ballistic solution for a given round. The ballistic solution check verifies that the fire control system is correctly implementing ballistic solutions in all main gun channels.

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**POWER  
REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**

Wood - 6' X 9', 1/2" Plywood,  
Painted white.

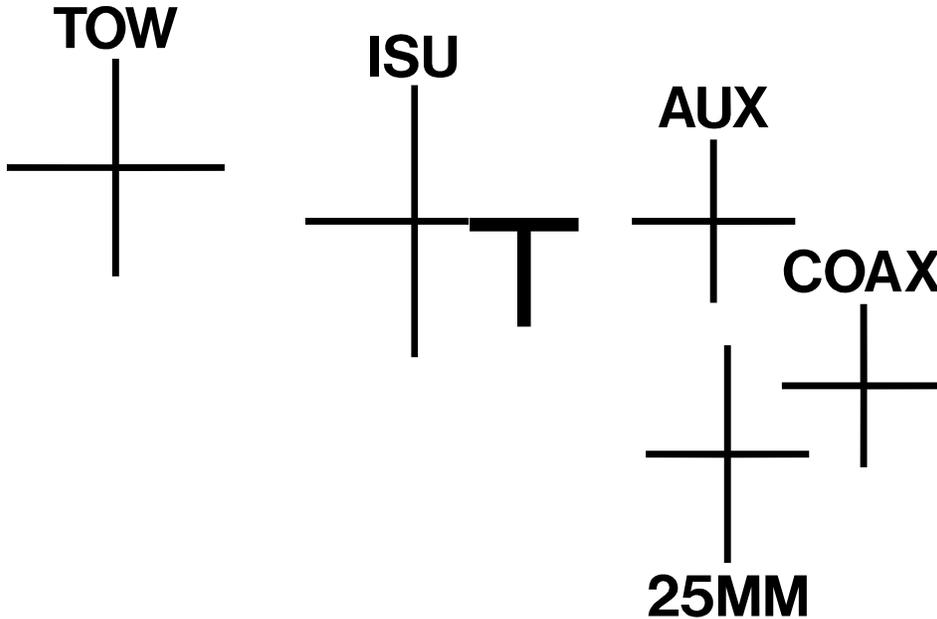
Plastic - 6' X 9' Wood frame  
covered w/white plastic.

Canvas - 6' X 9' Canvas  
w/Grommets.

**PUBLICATIONS:**  
TM 9-2350-255-10-2  
Appendix F  
FM 17-12-1-1

## CLOSE-IN BORESIGHT PANEL

FHTD 17-019



FHTD 17-019

**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**PURPOSE OF TRAINER:**  
Used to boresight the BFV turret weapon in a restricted or confined area. Allows the BFV crew to identify weapon system errors that decrease firing accuracy, and to become more familiar with the weapon.

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

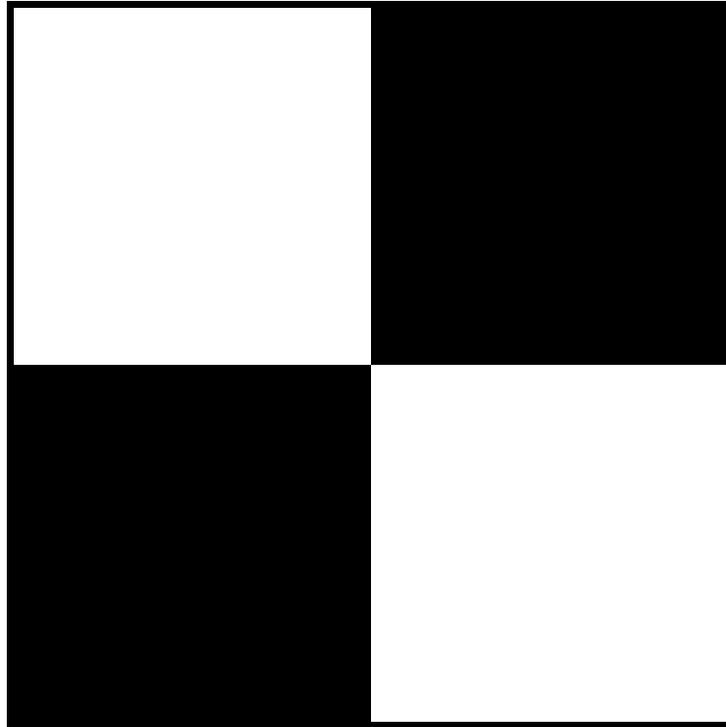
**POWER REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**  
Wood - 4' X 8' Wood Frame, ½"  
Plywood Covering Painted White.

**PUBLICATIONS:**  
None

## BORESIGHT PANEL

FHTD 17-020 WOOD  
FHTD 17-021A CANVAS



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**PURPOSE OF TRAINER:**  
Used to conduct a collimation check  
and determine if the MBD must be  
collimated.

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

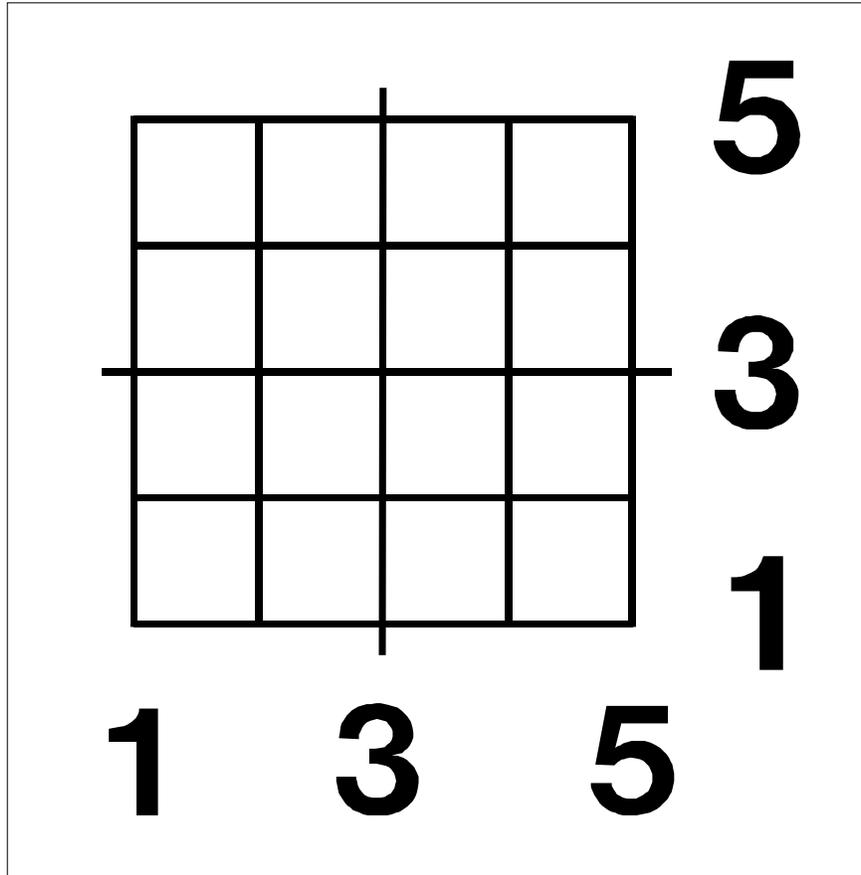
**POWER REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**  
Wood - 6' X 6' Wood Frame, 1/2"  
Plywood Covering Painted White.  
Canvas - 6' X 6' Canvas,  
w/Grommets in Corners.

**PUBLICATIONS:**  
FM 17-12-1-1

## BORESIGHT TEST PANEL

FHTD 17-021B



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**PURPOSE OF TRAINER:**  
Used for boresight training.

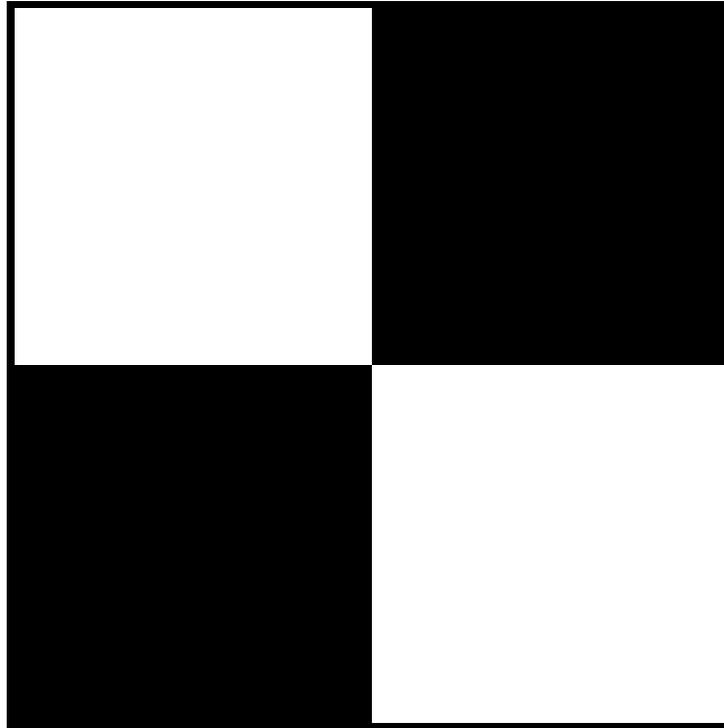
**POWER REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**  
Wood – 14" X 14" Wood Frame,  
3/4" Plywood Covering Painted  
White.

**PUBLICATIONS:**  
None

## BORESIGHT PANEL PORTABLE

FHTD 17-024



**TRAINING CATEGORY/LEVEL UTILIZED:**  
Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**  
None

**SOURCE AND METHOD OF OBTAINING:**  
Available at local TSC

**PURPOSE OF TRAINER:**  
Used to conduct a collimation check  
and determine if the MBD must be  
collimated.

**SPECIAL INSTALLATION  
REQUIREMENTS:**  
None

**PHYSICAL INFORMATION:**  
Wood - 6' X 6' Wood Frame, 3/4"  
Plywood, Painted White, Hinged  
w/Black Squares on Opposite  
Sides. This unit is hinged, foldable  
and therefore portable.

**POWER REQUIREMENTS:**  
None

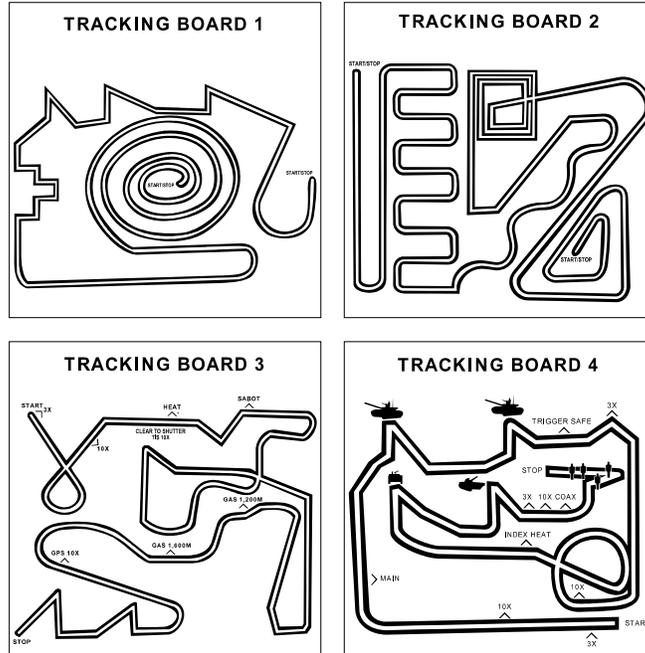
**PUBLICATIONS:**  
FM 17-12-1-1

# TRACKING BOARDS

FHTE 17-024 Plastic

FHTE 17-025 Canvas

FHTE 17-026 Wood



**TRAINING CATEGORY/LEVEL UTILIZED:**

Armor/Level 3

**EQUIPMENT REQUIRED,  
NOT SUPPLIED:**

None

**SOURCE AND METHOD OF OBTAINING:**

Available at local TSC

**PURPOSE OF TRAINER:**

Used to as an effective tool in training hand-and-eye coordination, turret control, speed and accuracy. Consists of 4 separate panels.

**SPECIAL INSTALLATION  
REQUIREMENTS:**

None

**PHYSICAL INFORMATION:**

Plastic – 6' X 6' Wood frame covered w/white plastic.

Canvas – 6' X 6' Canvas w/4 Grommets.

Wood - 6' X 6' Frame covered w/1/2" MDO BD.

**POWER REQUIREMENTS:**

None

**PUBLICATIONS:**

FM 17-12-1-2