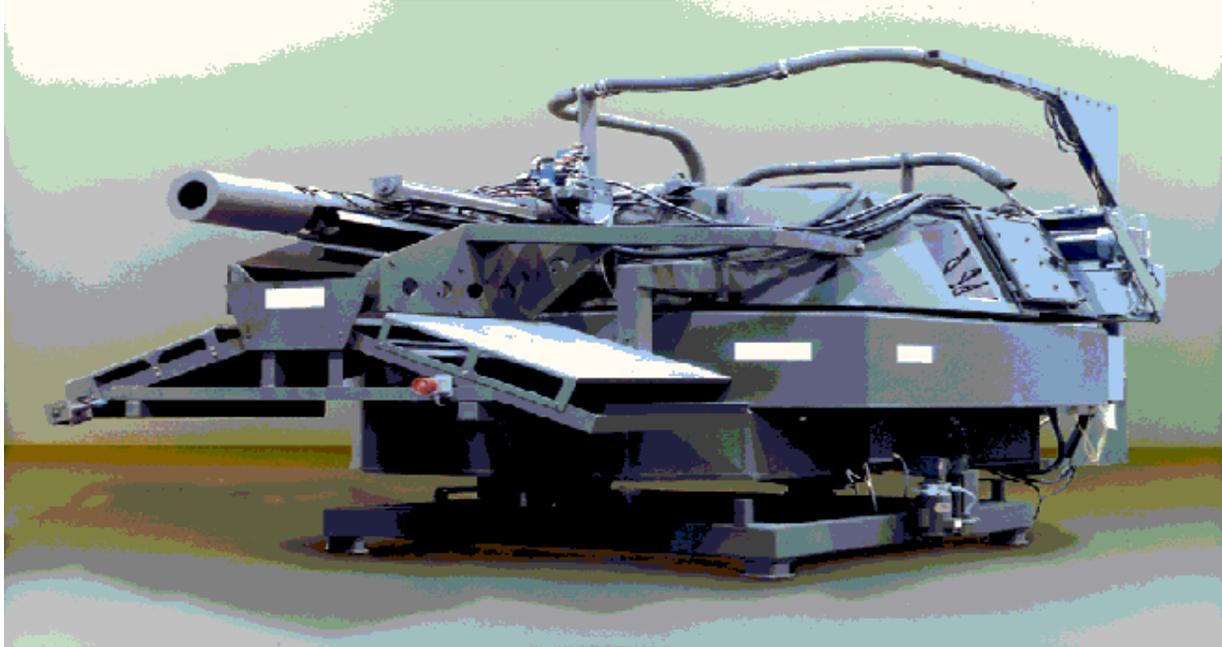


FIRE SUPPORT COMBINED ARMS TACTICAL TRAINER (FSCATT)

NSN Not Assigned
NSN Not Assigned

DVC 06-68A FSCATT A5
DVC 06-68G FSCATT A6



Training Category/Level Utilized:
Field Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
STRICOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
Train the gunnery team (gunnery crew 13B, Fire Direction 13E). Also train with the 13F, Forward Observer in the Closed Loop mode using the GUARDFIST II.

Functional Description:
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Shoots just like the real M109 SP Howitzer. Traverses 90 degrees left and right, elevates and cants just like the real thing. Uses dummy rounds, fuzzes, and charges. Has sensors that read the round, charge, fuze and fuze setting. Has AAR printout.

Physical Information:
The turret is taken off of an actual howitzer and installed in an aluminum box making the inside of the cab appear and operated the same as the actual howitzer.

Equipment Required, Not Supplied:

Equipment Required, Not Supplied:
The M109A5/A6 Howitzer crews must (as applicable) provide some or all of the following equipment when using the Howitzer Crew Trainer (HCT) (depending on what tasks are to be trained during that period):

Test Target Board with Havgars	Chamber Swab
Gunner's Quadrant	Staff Cleaning, 4 Foot
Gun Display Unit OD-144(V)1/	Screw Driver, Flat Tip SP
GYK-29(V) (Mount Required)	Hammer, Hand
Sight, Breech Bore	Wrench, Spanner
	Obturator
M140 Alignment Device	Wrench, Spanner Fixed
(Mount Required)	Oiler, Hand
M1A1 Collimator	Cleaning Tool, Vent
M1A2 Aiming Post	Spacers, M864
M2 Aiming Circle	Spacers, M825A1
M14 Light, Aiming Post	Twine, Fibrous
	(Boresight)
M27, M34, and M35 Fuze Setters	Thermometer (Powder)
M118 Direct Fire Telescope	Fire Extinguisher
M18 Fuze Wrench	TA 312's/PRC 127's
M118A2 Elbow Telescope	(if desired)
Belt Primer	WF-16 Field Wire
Utility Pale	Holder, Chamber
	Swabbing Sponge

Special Installation Requirements:

Access to building must be a minimum of 12 ft x 12 ft. Footprint is 35 ft x 35 ft for the A5 and 35 ft x 38 ft for the A6. Floor must be capable of supporting 14 tons.

TD6-6920-704-10 (A6 HCT)

Reference Publications:

TM9-2350-311-Series (M109A5 SP Howitzer)
TM9-2350-314-Series (M109A6 SP Howitzer)

Power Requirements:

208/120vac, 3-phase, 60 Hz, 100amps service.

Training Requirements Supported:

13B 10, 13B 30, 13E 30, 13F 10, 13F 30

Applicable Publications:

TD6-6920-703-10 (A5 HCT)

Functional Description:

The trainer accurately simulates the Intermediate maintenance technician's man-machine interfaces of the AN/MPQ-64 radar system. The trainer consists of an Instructor/Operator Station, four Student Workstations, four antenna transceiver group simulators, four test equipment simulators, a main power distribution unit, and one Software Support Center

Special Installation Requirements:

12" raised floor system, 1800 square feet of floor space

Power Requirements:

110/220vac, 3-phase, 4 wires, 60 Hz, "Wye connected, kva/phase (unknown)

Applicable Publications:

None

Reference Publications:

TM 9-6920-700-10
TM 9-6920-700-20

Training Requirements Supported:

US Army MOS 35M10

Physical Information:

Instructor/Operator Station	44" x 72" x 53"
Student Station	44" x 72" x 53"
Software Support Center	30" x 120" x 50"
Antenna Transceiver Group	38" x 76" x 70"
Test Equipment Simulator	26" x 23" x 45"
Main Power Distribution Unit	30" x 32" x 62"

Equipment Required, Not Supplied:

None

Applicable Publications:

Operator Manual – TD 06-6910-708-10
TSUH – TD 06-6910-708-TSUH
Maintenance Manual – SMM 06-6910-708-20

Reference Publications:

N/A

Training Requirements Supported:

Train soldiers how to call for fire.