

WIDE AREA MUNITION (WAM) (HORNET) INDIVIDUAL TRAINER XM98



Wide Area Munition (Hornet) XM98 Individual Trainer with Legs down and dummy sensors deployed and XM97 Collective trainer with Safe and Handling Band installed. Both trainers are inert.

Functional Descriptions:

The Wide Area Munition (WAM) or Hornet, as the Combat Engineers call it, has two devices to support training. They are the Individual Trainer (XM98) and the Collective Trainer (XM97). Both are inert training aids with the same physical dimensions and weight as the tactical Hornet Hand Emplaced (HE) XM93 munition. Both trainers weigh 35 pounds and are packaged in a PA160 shipping and storage container. They are marked with a blue stripe to distinguish them from live-loaded munition. Many tactical parts, such as the safe and handling band, are the same as used on the tactical munition.

The Hornet Individual Trainer, XM98:

The XM98 is used in a classroom type environment to replicate the tactical XM93 Hornet munition. It is capable of receiving radio signals from the M71 RCU, just like the tactical munition. The RCU is an Associated Support Item of Equipment (ASIDE) for Hornet and is on the unit's Table of Organization and Equipment (TOE) item, not part of the Hornet system. The Hornet Individual trainer control panel is identical to the XM93 munition. A simulator battery pack is used in the individual trainer in place of the tactical Hornet's active battery pack. Switches and knobs are functional and most parts are similar to the tactical Hornet. The legs are individually deployable and the trainer has an instructor feedback panel that provides feedback to the instructor to aid evaluation that the operator actions were completed correctly.

Purpose of Trainer:

The trainers were designed to provide the Combat Engineer with a classroom training aid as well as a field trainer for use in a collective environment such as the training centers. Though they do not directly interact with the training centers computer simulations, they provide the employing soldier with realism through this hands-on item.

DVC 05-101
NSN 6910-01-432-9357

Physical Information:

Height: 16.75-in. (42.5-cm) w/S&H band assembly
12.5 in. (31.7 cm) w/o S&H band assembly
Width: 7.93 in. (20.1) (across flats)
Diameter: 8.4 in. (21.3 cm) (with cover)
8.0 in. (20.3 cm) (without cover)
Weight: 35 lb. (15.9 kg)

Shipping and storage container (PA 160):

Height: 22 in. (55.8 cm)
Width: 11 in. (27.9 cm) (flat to flat of rim)
Length: 11 in. (27.9 cm) (flat to flat of rim)
Body tube: 10 in. (25.4 cm) (inside diameter)
Container weight: 20.6 lb. (9.3 kg) (empty)
Internal packing: 1.4 lb. (0.6 kg)
Container weight: 57 lb. (25.9 kg) (loaded)

Training Resident Courses at US Engineer School, Fort Leonard Wood:

12B OSUT, 12B BNCOC, 12B ANCOC, 12B OBC and OAC.

Training Requirements Supported:

The WAM munitions have been incorporated in tasks: 5-3-0112; Emplace a Tactical Minefield and 5-3-0115; emplace a Hasty Protective Minefield. The MTPs those tasks are attached to:

5-027-35EN CO, EN BN (ABN)
5-027-10EN PLT, EN CO, EN BN (ABN)
5-427-35EN CO, EN BN, CORPS (WHL)
5-427-10EN PLT, EN CO, EN BN, CORPS (WHL)
5-157-35EN CO, EN BN, INF DIV (LT)
5-157-10EN PLT, EN CO, EN BN, INF DIV (LT)
5-447-35EN CO, EN BN, CORPS (ABN)
5-447-37EN CO, EN BN, CORPS (LT)
5-447-10EN PLT, EN BN, CORPS (ABN)
5-447-11EN PLT, EN BN, CORPS (LT)
5-217-35EN CO, EN BN (AA)
5-217-10EN PLT, EN CO, EN BN (AA)
5-063-35EN CO, BRIGADE COMBAT TEAM
5-063-10EN MOB PLT, EN CO, BCT
5-063-11EN MOB SPT PLT, EN CO BCT

Equipment Required, Not Supplied:

M71 Remote Control Unit (RCU) - TM 9-1290-208-23&P Unit and Direct Support Maintenance Manual (Including Repair Parts and Special Tools List) For Control, Remote, Land Mine System: M71 (NSN 1290-01-161-3662). Organic to using units.

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Power Requirements:

No external power required. Internally the XM98 uses one lithium BA 5112/U battery. This battery is available through the standard Army supply system. The Training Support Center (TSC) or maintenance personnel will install the battery

Applicable Publication:

TM 9-1395-200-10 - Operator's Manual for Munition, Wide Area: XM93, Hand Emplaced (Hornet) (NSN 1377-01-425-7579 and Control, Remote, Land Mine System: M71 (NSN 1290-01-161-3662, Munition, Wide Area: Training Device XM98 (NSN 6920-01-432-9357), Collective Trainer, XM97) (NSN 6920-01-458-4335).

TM 9-1395-200-23&P - Unit and Direct Support Maintenance Manual (Including Repair Parts and Special Tools List) for Munition, Wide Area: XM93, Hand Emplaced (Hornet) (NSN 1377-01-425-7579 and Munition, Wide Area: Training Device XM98 (NSN 6920-01-432-9357), Collective Trainer, XM97) (NSN 6920-01-458-4335).

Reference Publication:

FM 20-32 Mine/Countermining Operations. This USA Engineer School field manual provides the Training and Doctrine information for the XM93 WAM (Hornet).

Source and Method of Obtaining:

Not generally available for issue (limited production).

Logistic Responsible Command, Service or Agency:

TACOM, Rock Island (formerly ACALA).