

DVC 05-100
NSN 6910-01-458-4335

WIDE AREA MUNITION (WAM) (HORNET) COLLECTIVE TRAINER XM97



Wide Area Mmunition (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 Mmunition (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, XM97:

The Hornet collective trainer is a totally inert training device used to train personnel in a collective environment. It is designed rugged to be used in a field environment to practice emplacement at an emplacement sites. It is not powered and gives no illuminated indication, but has all the controls and they can be set. The XM97 does not deploy legs or microphone probes since these features are not required for arming or deployment. The XM97 will provide the operator with a nonfunctional mechanical interface with the M71 RCU and an antenna simulator

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 hand on item.

DVC 05-100
NSN 6910-01-458-4335

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)

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.

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

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)

DVC 05-100
NSN 6910-01-458-4335

Training Requirements Supported:

5-063-35EN CO, BRIGADE COMBAT TEAM

5-063-10EN MOB PLT, EN CO, BCT

5-063-11EN MOB SPT PLT, EN CO BCT

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)

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).