

DVC 07-22D
NSN 6920-01-099-0170

SMALL ARMS FLASH-NOISE GUNFIRE SIMULATOR



Functional Description:

The trainer consists of a gun simulator, a carrying case, and an ac-to-dc converter. Outwardly, the device resembles a real machine gun. It may be fired from the device or remotely in single shots or bursts, using a metered mixture of oxygen and propane, which is ignited inside the barrel by a spark plug. Oxygen and propane cylinders are enclosed in the carrying case.

An instructor may fire the device remotely while observing results or a number of these devices may be operated simultaneously by locating remote trigger switches for all related devices at a central location.

Note: Earlier models (DVC 07-22, 07-22A, and 07-22B) used a standard ignition system. Both C and D models use solid state ignition assemblies for greater reliability.

Purpose of Trainer:

To provide simulated small-arms gunfire (rifle or machine gun noise and flash) for infantry training. The specific training requirements supported are shown following the descriptive data.

Physical Information:

Gun simulator: 51" x 19" x 46"; 36 lb
Carrying case: 13" x 12" x 23"; 137 lb
Converter: 8" x 7"; 6 lb

Equipment Required, Not Supplied:

One 24-volt storage battery (for optional dc operation only)
One 3-conductor electrical cable (ac power)

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Special Installation Requirements:

None

Power Requirements:

110/220vac, single-phase, or 24vdc

Training Category/Level Utilized:

Infantry/Level 3

Training Requirements Supported:

ARTEP Task

8-28-F

SM 071-11A Tasks

2004 2005 2304

Applicable Publications:

For earlier models use: NAVSO P-2964, Maintenance Handbook with Parts List for Simulator, Small Arms, Flash Noise, Device 3F63

For DVC 07-22C use: NAVTRADEV P-4427, Maintenance Manual with Parts List

For DVC 07-22D use: NAVTRADEV P-4650

Reference Publications:

None

Source and Method of Obtaining:

Available through local TSC

Logistic Responsible Command, Service, or Agency:

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