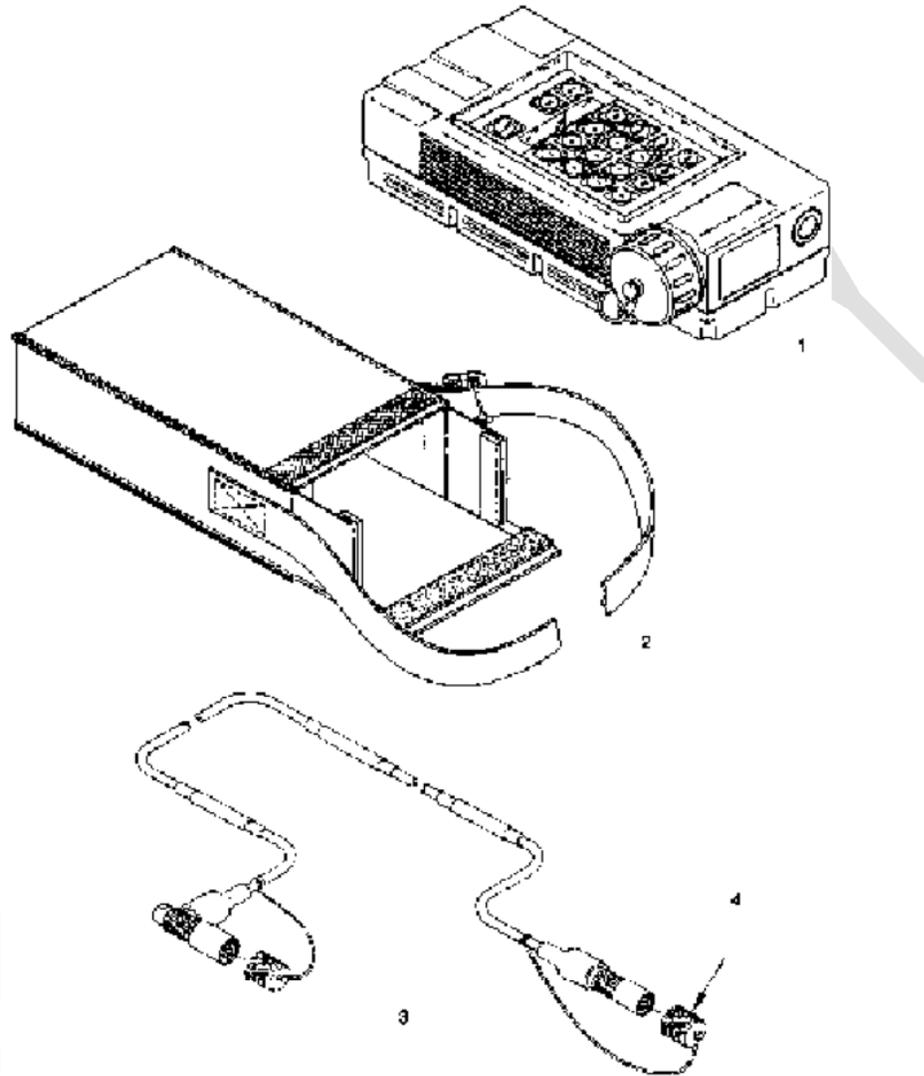


CONTROLLER DEVICE, SIMULATOR SUBSYSTEM, FIRING, LASER



Training Category/Level Utilized:
Aviation/Level 3

Logistic Responsible Command, Service, or Agency:
PEO STRI

Source and Method of Obtaining:
Available through local TSC.

Purpose of Trainer:
The AGES II/CTS-IS is the Army's Multiple Integrated Laser Engagement (MILES) training system for helicopters, putting aviation in the force-on-force fight. The AGES II/CTS-IS system consists of four Tactical Engagement Simulators (TES). Three of these TES's are currently installed on the AH-64 Apache (DVC 01-240/13),

CH-47D Chinook (DVC 01-240/10) and the UH-60A Black Hawk (DVC 01-240/11). The fourth system is the Hellfire Ground Support Simulator (DVC 01-240/8). The AGES II/CTS-IS permits realistic combat training, using eye safe laser Transmitters that "fire" laser beams instead of live ammunition.

These beams are encoded signals which simulate a variety of weapon systems. Capabilities include range, accuracy and destructive capability. AGES II simulates weapons systems including the Area Weapon System (AWS), Laser Range Finder/ Designator (LRF/D) and the Point Target Weapon System (PTWS). Laser detection systems are mounted to sense opposing fire and determine whether a near-miss, hit but not killed or kill message has been received. The systems activates audio and visual cues indicating the presence and effect of opposing fire.