KRATOS

UH-60L BLACK HAWK

Interactive Multimedia Instructions (IMI)



The IMI is part of the overall UH-60 training system, including training devices, that provides an environment for training and evaluating utility helicopter repair personnel in fault isolation and maintenance of the UH-60L.

The UH-60A/L interactive Multimedia Instruction (IMI) COCKPIT PROCEDURAL TRAINER (CPT) emulates performance of the UH-60A/L mission and cockpit systems. Functions of the switches and displays replicate those of the aircraft to the degree necessary to support real-time integration of switchology, systems operations, and procedures training. In addition, the IMI CPT incorporates actual mission equipment/ cockpit and aircraft audio tones and sounds. It is scalable to support an unspecified number of simultaneous users if server-based or able to transmit over the Internet for loading on end user's computer without loss of capability. The IMI is expandable, having the necessary interfaces for future expansion of task/requirements.







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The UH-60L AUTOMATIC FLIGHT CONTROL SYSTEM (AFCS) Interactive Multimedia Instruction (IMI) and Electronic Classroom Program consists of three major components: the Analog Stability Augmentation Units (Analog SAS1), Digital Automatic Flight Control Units (SAS 2), and Stabilator elements of the Automatic Flight Control System (AFCS).

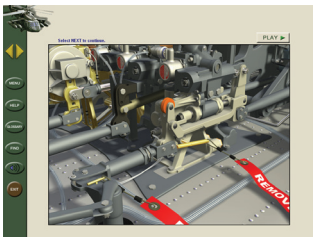


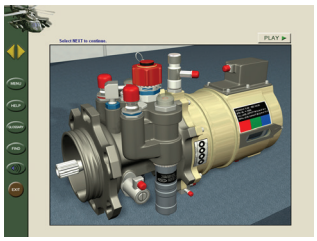




The HYDRAULICS AND FLIGHT CONTROL SYSTEMS (HYDS & FLYS) IMI includes lessons that teach hydraulics and flight controls system principles and descriptions, maintenance procedures, service, inspections, operational checks, and troubleshooting. Highlights of the IMI include:

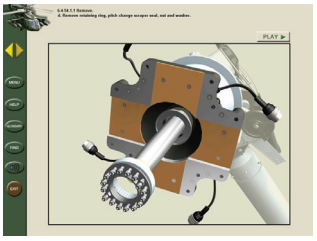
Hydraulics System Description and Data
Flight Controls System Description and Data
Hydraulics System Maintenance Procedures
Flight Controls System Maintenance Procedures
Hydraulics System On-Aircraft Inspections
Flight Controls System On-Aircraft Inspections

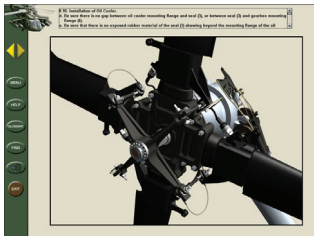




The TAIL ROTOR AND DRIVE SYSTEM (TRADS) IMI includes lessons that teach power train system principles and descriptions, maintenance procedures, service, inspections, operational checks, and troubleshooting. Highlights of the IMI include:

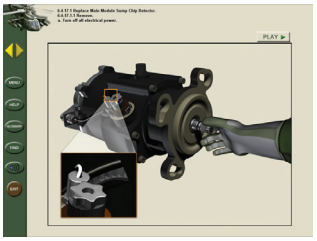
Tail Rotor and Drive Systems Description and Data
Maintenance Procedures
On-Aircraft Inspections
Maintenance Operational Checks and Troubleshooting

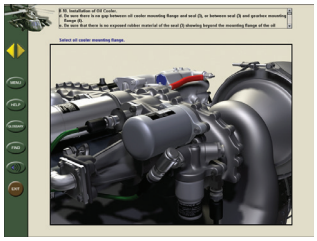




The POWER PLANT SYSTEM (PP) IMI includes lessons that teach power plant (engine) system principles and descriptions, maintenance procedures, service, inspections, operational checks, and troubleshooting. Highlights of the IMI include:

Power Plant Systems Description and Data
Maintenance Procedures
On-Aircraft Inspections







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FROM STRENGTH TO SUCCESS

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