



UH-60L

Black Hawk Remove & Replace Trainer (BHRRT)



UH-60L Black Hawk Remove & Replace Trainer

DEI Services Corporation was selected by the U.S. Army National Guard's (ARNG) Eastern ARNG Aviation Training Site (EAATS) to design, develop, integrate, test, deliver, and install a new training device, consisting of one UH-60L Black Hawk Remove and Replace Task Trainer (BHRRT) for Eastern ARNG Aviation Training Site (EAATS) located in Annville, PA.

BHRRT will be used to replace the CAT-B airframe currently being used for remove and replace training. It will be designed to be a functional tool that will provide and facilitate, future Black Hawk maintenance personnel, with transition and readiness training required to maintain this aircraft. A selection of required skills and knowledge areas include, but are not limited to;

- Overall familiarity with aircraft component location,
- Maintenance practices and procedures,
- Use of common tools,
- Use of Test Measurement and Diagnostic Equipment (TMDE) and
- Use of Peculiar Ground Support Equipment (PGSE).

With this base set of skills, maintenance personnel will be required to perform a defined list of 39 individual maintenance tasks:

- Perform PMD, PMS / 40 Hour & 120 Hour Inspections
- Obtain Oil Samples
- Replace Stabilator Attachment Fittings (UH-60)
- Replace Landing Gear Brake Pads (HU-60)
- Service Main Landing Gear Shock Strut (UH-60)
- Replace Main Landing gear Tire (HU-60)
- Bleed Landing Gear Brakes (UH-60)
- Replace Auxiliary Power Unit (APU) (UH-60)
- Replace Engine (UH-60L, 710C)
- Replace Auxiliary Power Unit (APU) / Accumulator (UH-60)
- Replace Tail Rotor Assembly (UH-60)
- Replace Bifilar & Main Rotor Head Shaft Ext (UH-60)
- Replace Main Rotor Damper (UH-60)
- Replace Main Rotor Head (UH-60)
- Replace Main Rotor Pitch Control Rod (UH-60)
- Replace Swash Plate (UH-60)
- Replace Rotating Scissors Assembly (UH-60)
- Replace Main Rotor Blade (UH-60)
- Replace Input Module (UH-60)
- Replace Tail Rotor Gear Box (UH-60)
- Replace Section III Tail Rotor Drive shaft (UH-60)
- Replace Hydraulic Pump Module (UH-60)
- Replace Flight Control Cables, Pulleys, & Rods (UH-60)
- Replace Engine Fire Extinguisher Containers (UH-60)



Concept Design

(UH-60L BHRRT continue...)



(UH-60L BHRRT continued...)

- Replace Cargo Hook / Squib (UH-60)
- Replace Horizontal Stores Support System / Attaching Comp.
- Replace Main Engine Prime Fuel Shutoff Valve (UH-60)
- Replace Prime Boost Pump (UH-60)
- Replace #1, #2 Generators (UH-60)
- Replace External Power Monitor Panel (UH-60)
- Replace Position Lights / Anti-Collision Lights (UH-60)
- Replace Pilot Assist Servo & Input Control Rod (UH-60)
- Replace Pilot Assist Module (UH-60)
- Replace Windshield Wiper System (UH-60)
- Replace Heater Blower (UH-60)
- Guide Aircraft Using Hand & Arm Signals (AVN)
- Ground Handles Aircraft (AVN)
- Use Publications
- Use Ground Support Equipment

During the assembly of the trainer, DEI will utilize supplied Aircraft Equipment, molded components and DEI designed components. Within this combination of actual and simulated hardware, DEI will achieve a 95% fidelity to the actual UH-60L aircraft. Installation of this trainer is planned for December of 2007.

Our mission is to design, develop, manufacture, deploy and support the best training products in the industry.



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For more information on how our UH-60 BLACK HAWK expertise can enhance your preparedness, please contact us.