

Virtual Maintenance Trainer AMPV

Armored Multi-Purpose Vehicle Diagnostic and Troubleshooting Trainer (DTT)

The Armored Multi-Purpose Vehicle (AMPV) DTT is a virtual training system that utilizes 3-D graphics projected on monitor displays to train field-level maintenance training and troubleshooting for the AMPV. Navigation and interaction with the trainer occur through a keyboard, mouse, and other peripheral devices.

AMPV Diagnostic and Troubleshooting Trainers facilitate skill-level development training covering AMPV system operation; familiarization; symptom verification; troubleshooting; fault isolation; adjustment; inspecting; servicing; maintaining; repairing; replacement; adjusting; and testing of the AMPV.

The Diagnostic and Troubleshooting Trainers cover General Purpose (GP), Medical Evacuation (ME), and Medical Treatment (MT) variants, subsystems, and components, as well as the removal and replacement of selected Line Replaceable Units (LRUs).

The trainers are designed to facilitate skill-level development for the Army's 91M Military Occupational Specialty (MOS) and the 915A and 913A Warrant Officer Maintenance Technicians. Currently, the trainers consist of over 80 lessons, including interactive schematics and Interactive Electronic Technical Manuals (IETMs) covering major components, including:

- Troubleshooting
- Fault isolation
- Adjustment
- Inspecting
- Servicing
- Maintaining
- Repairing
- Replacement
- Testing
- Track and Suspension System
- Power Unit and Related Components
- Fuel System
- Electrical System
- Common Vetrronics System
- Brake System
- Vehicle Lighting System
- Automatic Fire Extinguisher System

Over 80 maintenance and troubleshooting lessons have been delivered with the trainers to multiple U.S. Army locations.



DiSTI's training currently supports three AMPV variants:

- General Purpose (GP)
- Medical Evacuation (ME)
- Medical Treatment (MT)

The AMPV DTT hardware, software, and lesson design provide a virtual environment to incorporate simulated components, tools, cables, connectors, and mounting hardware that accurately reflects the vehicle and functionality.

The AMPV Diagnostic and Troubleshooting Trainer interfaces with the AMPV Hands-on Trainer, with the Hands-On Trainers utilizing the same Instructor Operator Station, User Interface, and Common Core software to stimulate and simulate the components on the HOTs.

The DTT trainer functions in four training modes:

- Practice Mode (Freeplay)
- Individual Tutorial Mode (Student Guided)
- Class Tutorial Mode (Instructor Guided)
- Scored Mode (Testing)

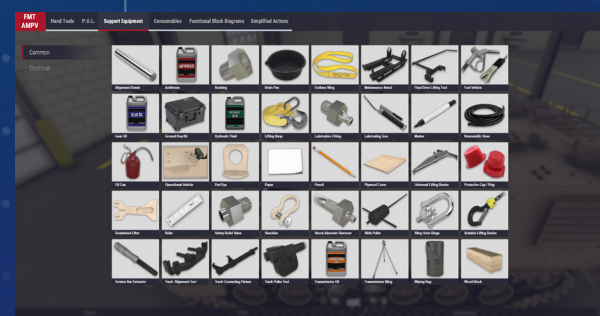
The AMPV DTT training system includes the following:

- Instructor/Operator Station (IOS)
- Remote IOS (RIOS)
- Training Management System (TMS)
- Student Work Stations (SWS)
- Network-attached Storage (NAS)
- Large-screen wireless smart touch displays
- Overhead projectors

The instructor can control and monitor all student workstations in a classroom simultaneously or individually.

Training can be delivered via:

- Desktop classroom
- Portable laptop
- Secure cloud



About The DiSTI Corporation

When training is mission-critical DiSTI's virtual training is the solution to reduce costs and increase operational efficiency. For over 25 years, DiSTI has been the global authority trusted by Defense companies to build scalable training applications to increase student efficiency and throughput.

Our diverse portfolio includes the U.S. Army, U.S. Air Force, U.S. Navy, U.S. Marine Corps, Air National Guard, along with worldwide array of foreign military partners, organizations and agencies who rely on DiSTI's expertise for the development of their training solutions.