



Virtual Maintenance Trainer **BRADLEY**

Bradley M2A3/A4 Fighting Vehicle Diagnostic and Troubleshooting Trainer (DTT)



The Bradley Fighting Vehicle System (BFVS) Diagnostic and Troubleshoot Trainer (DTT) is a virtual training system that utilizes 3-D graphics on monitor displays to train field-level maintenance training and troubleshooting for the Bradley Fighting Vehicle Variants M2A3/A4. Navigation and interaction with the trainer occur through a keyboard, mouse, and other peripheral devices.

The Bradley Diagnostic and Troubleshooting Trainers facilitate skill-level development training covering BFVS system operation; familiarization; symptom verification; troubleshooting; fault isolation; adjustment; inspecting; servicing; maintaining; repairing; replacement; adjusting; and testing of the Bradley M2A3/A4.

The Diagnostic and Troubleshooting Trainers cover variants, subsystems, and components, as well as the removal and replacement of selected Line Replaceable Units (LRUs) and bring the existing trainers compliant with the new Electronic Technical Manual (ETM).

Additionally, DiSTI is supporting the integration of Hands-On Trainers (HOTs) and Part-Task Trainers (PTTs) into the common core baseline.

The trainers are designed to facilitate skill-level development training for Army Tracked Vehicle 91M Military Occupational Specialty (MOS) and the 915A and 913A Warrant Officer Maintenance Technicians.

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



DiSTI developed 85 new lessons, including interactive schematics and Electronic Technical Manuals (ETMs) 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

The Bradley 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 DTT trainer functions in four training modes:

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

The Bradley 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

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.