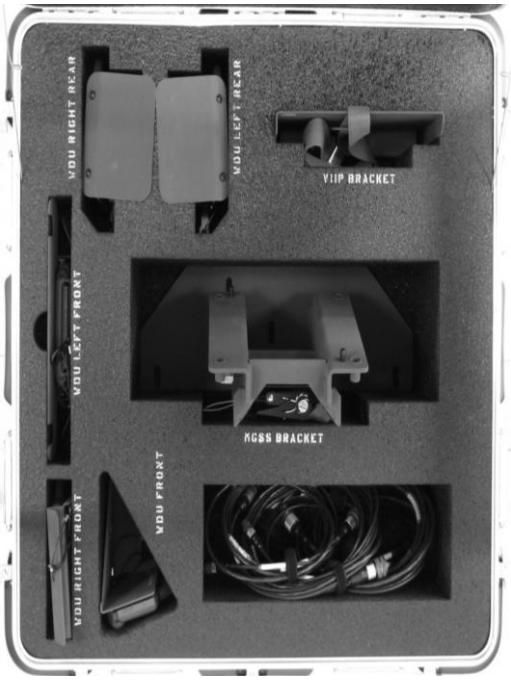
STRYKER MOBILE GUN SYSTEM - TACTICAL ENGAGEMENT SIMULATION SYSTEM (MGS-TESS)

NSN Not Assigned **DVC 17-243/4/1 STRYKER (MGS) (TESS) AIMTEST-SA**
NSN Not Assigned **DVC 17-243/4/2 STRYKER (MGS) (TESS) (TSV) (AAR) Playback System**



Training Category/Level Utilized:
Combat Arms/Level 3

Logistic Responsible Command, Service, or Agency:
PEO-STRI

Source and Method of Obtaining:
Not generally available for use (limited production)

Purpose of Trainer:
MGS-TESS is designed to operate on the Stryker MGS during Force-on-Force (FOF) and gunnery training exercises.

Functional Description:
MGS-TESS provides laser based Precision Gunnery (PG) capabilities and FOF training for the U.S. Army Stryker MGS. The Inbore Device Stryker (IDS) is available as a cost saving alternative to main gun live fire. While utilizing the Vehicle Instrumentation Interface Package (VIIP) the system interfaces with instrumentation systems at Maneuver Combat Training Centers (MCTCs). MGS-TESS is a 28 Volts Direct Current (VDC) system powered by the vehicle and interconnecting cables. User replacement of batteries is necessary only for the Wireless Detector Units (WDU) and Commander's .50 Caliber (Cal) Small Arms Transmitter (SAT). MGS-TESS simulates both the firing capabilities and the vulnerability of the vehicle. The main weapon and secondary weapon are simulated with the Transceiver Unit (TU) and the Commander's .50 Cal is simulated with the SAT. The simulator interfaces both to the vehicle and crew; to the vehicle with brackets and connectors and to the crew with audio and visual signals.

Physical Information:
The MGS-TESS system will be contained in two transit cases. Contains components, mounting hardware, cables, manuals. Case 2 is only needed for Force on Force training. The GFE equipment is delivered in separate transit cases. MGSS, DIFCUE, Inbore Device, VIIP, AAR/Setup Computer, Controller Gun.

Operation Temperature	-20°C to 55°C
Humidity	Rainproof
Current Draw Rate	2.5 Amp
WDU batteries (2 each)	1.5 V (AA)
SAT battery (CR2)	3.0 V Lithium