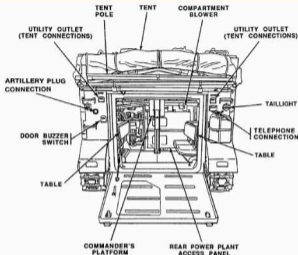


M577A3 Command Vehicle



The M577A3 has been modified to accommodate the next generation of automated command and control through the new Army Tactical Command and Control System (ATCCS). The command vehicle has a hand-cranked extendible antenna for long-range communications, fully-amphibious, and has no defensive weapons.

The M577A3 are full-tracked lightweight vehicles with a crew of 4: commander; driver; and two command post operators. In addition to mounting provisions for the ATCCS hardware, vehicle modifications include an improved 5 KW Auxiliary Power Unit (APU), a power/data distribution system, and a ten meter antenna mast. Although the M577A3 was developed as a command post vehicle, it can also be used for other roles. Due to its large internal volume it can be used as an armored ambulance, medical treatment vehicle, fire direction center and for other roles.

The M577A3 has a tent extension. It is attached at the rear, when vehicle is stationary. It provides additional work space for command staff. Furthermore multiple M577A3 command vehicles can be connected via the tents. Onboard the vehicle there are map boards, folding tables, computers, radio and other command and control equipment.

The M577 is also fitted with external diesel generator, mounted at the front of the vehicle. The generator powers all electronic systems and communication equipment when the main engine is turned off. Electricity can be also exported. A single generator provides enough power for two M577A3 vehicles. If required the generator can be removed from the vehicle using onboard davit, and used as a stationary unit.



A3 – Latest Modernization Features



In 1984 a decision was made to incorporate the RISE package which was driven by increased vehicle weight and a requirement to increase the mobility and survivability of the system., The RISE powertrain was developed with improved transmission and engine, improved driver controls. The new X200-4/4A hydrostatic steer transmission permits use of a more powerful engine, the 275 HP turbocharged Detroit Diesel 6V53T, and eliminates the transfer case and controlled differential. The RISE powerpack increases fuel economy, acceleration, hill climbing speed and braking capabilities and allows the vehicle to maintain speed through comers by accelerating the outer track rather than braking the inner track as on the A2. Steering is improved with an automotive-type steering yoke and foot brake arrangement which improves driver control, lessens fatigue and simplifies driver training from that of the A1/A2 steering/braking laterals. Due to load matching ability and increased steering capability, cross country performance is also improved.

- Engine – DDC 6V53T 275 hp Engine

- Transmission - Allison Cross Drive X200-4A

- 200 Amp Alternator System

- T150 Track (optional)

- Improved Cooling System

- NBC System

- Global Personnel Heater)

- Shock Absorbing Drivers Seat

- Steering Yoke Drivers Controls

