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FNSS



M113

CAPABILITY &
SUSTAINMENT
PROGRAM

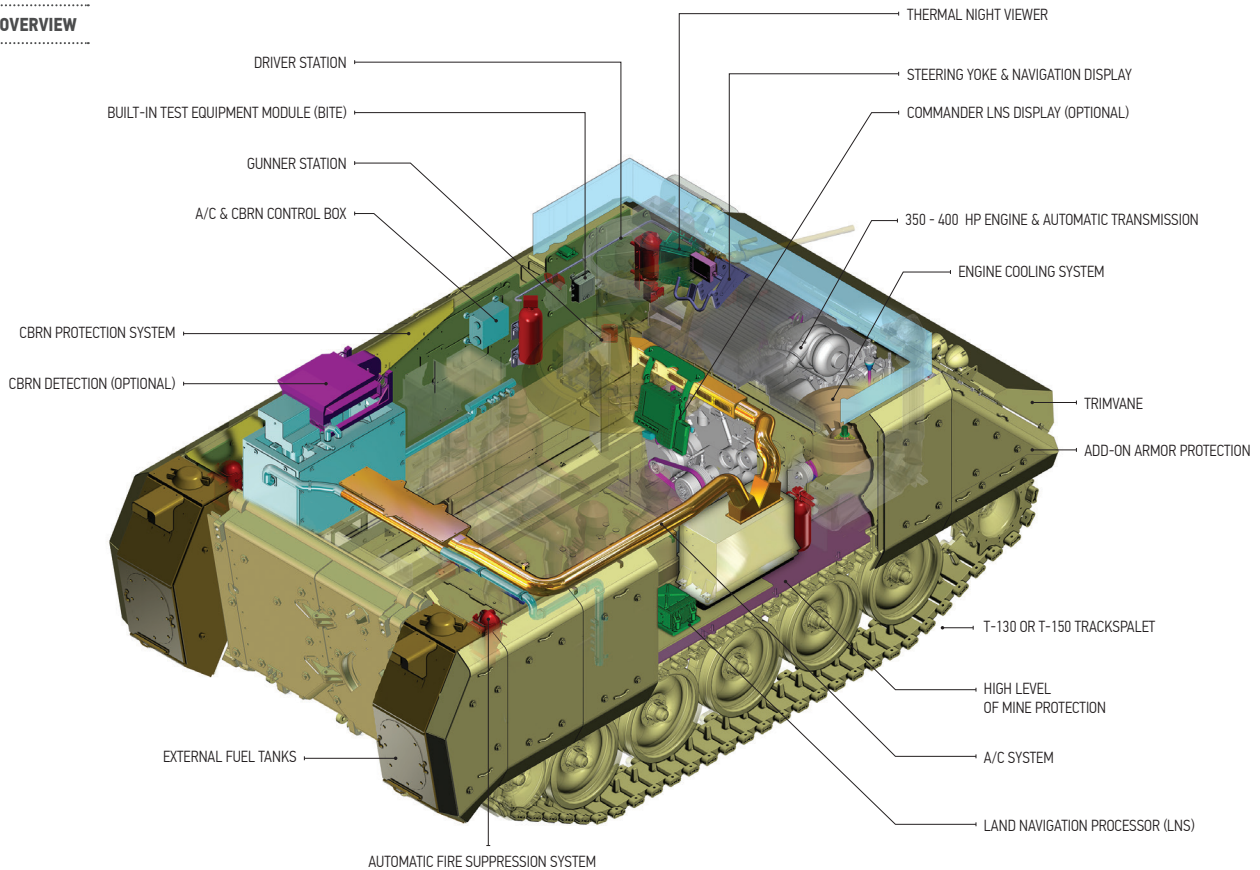
FAMILY OF VEHICLES

M113 FoV

CAPABILITY & SUSTAINMENT PROGRAM

MODERNIZATION

OVERVIEW



The sustainability solutions cover the entire M113 Family of Vehicles (FoV) for mobility upgrades, regardless of their specific mission equipments. Therefore, all M113 variants can be supported in terms of logistics and spare parts.

The FNSS M113A4 solution fully meets the requirements for a modern reliable M113 FoV.

The M113A4 & ACV configuration is based on common subsystems which are in service with Land Forces of Turkey, Middle East and South-East Asia regions.

The M113A4 is NATO certified and qualified by the original M113 manufacturer. This configuration significantly improves ease of operation, safety, reliability, performance and durability over the M113A1, A2, YPR & AIFV vehicles.

M113A4 delivers significant improvements on mobility and survivability compared to older M113 FoV' consisting of modern diesel engine and automatic transmission. Reliability and durability have been greatly improved with the installation of the FNSS developed ACV power pack.

This improvement in reliability and durability ensures that during operational deployment, the downtime for the vehicles is minimum, enabling the valuable maintenance personnel to focus on other tasks. This also guarantees maximum time for operational deployment by the user. This next generation modernized M113A4 FoV provides the user, a reliable and simple to operate vehicle with an operational service life more than 20 years.

The solution closely matches the ACV vehicles that have been tested several times between -20°C to +60°C weather conditions on all terrains. In addition, the M113A4 has undergone a full desert mobility testing and which was successfully completed covering over 2000 miles.



M113 FoV Technical Specifications

Data subject to change without notice.

| GENERAL | |
|--------------------------------|---------------------------------------|
| Weight | 13.500 kg |
| Engine | Diesel |
| Transmission | Fully Automatic |
| Crew | 13 (Incl. Gunner, Driver & Commander) |
| Length | 5.30 m |
| Width | 2.79 m |
| Height Hull Roof | 1.85 m |
| Height Overall | 2.56 m |
| Ground Clearance | 0.41 m |
| Suspension | Torsion Bar |
| Electrical System | 24 V |
| Steering System | Through Transmission |
| MISSION EQUIPMENT | |
| Drivers Thermal Cam. & Display | Optional |
| PROTECTION SYSTEM | |
| CBRN System | Face Mask/Positive Pressure Type |
| A/C System | Cooling |
| Fire Suppression System | Standard |
| Smoke Grenade Dischargers | Standard, 8 ea |

| MOBILITY | |
|--------------------------|----------------------------------|
| Max. Road Speed | |
| Forward | 65 km/h |
| Reverse | 11 km/h |
| Water Speed (Amphibious) | 5.8 km/h (with Track Propulsion) |
| Max. Road Range | 400 km |
| Gradient | 60% |
| Side Slope | 30% |
| Trench Crossing | 1.68 m |
| Vertical Obstacle | 0.61 m |
| ARMAMENT | |
| Main Armament | Optional |



Please scan the QR code to watch the introductory film.



M113A4 IFV

The M113A4 IFV is the converted next generation modernized version of the M113A1 & A2 Infantry Carrier Vehicle. It is fitted with a 25 mm SABER Turret and has a capacity of carrying 9 personnel including the driver and commander/gunner.



M113A4 SPM120

The M113A4 120 mm Armored Mortar Vehicle is the next generation modernized version of the M113 Mortar Carrier vehicles. The vehicle is armed with a 120 mm rifled or smooth bore automated mortar mounted inside the vehicle which fires through a hydraulic mortar hatch placed on the hull top. It has a capacity of carrying 4 personnel including the driver, commander and 2 mortar crew.



M113A4 ICV

The M113A4 ICV is the next generation modernized version of the M113A1 & A2 Infantry Carrier Vehicle. The vehicle is armed with a 12.7 mm MG and 8 ea smoke grenade dischargers and has a capacity of carrying 13 personnel including the driver and commander/gunner.



M113A4 ARV

The M113A4 Recovery Vehicle is the next generation modernized version of the M806 vehicles. The Recovery vehicle is fitted with a hydraulic crane mounted on the vehicle's top plate and a hydraulic recovery winch with a fairlead assembly mounted inside the vehicle, which facilitates the recovery and towing of both armored and non-armored vehicles in difficult terrain. It is armed with a self defence 12.7 mm MG and has a capacity of carrying 3 personnel including the driver, gunner and technician.



VARIANTS



M577A4 COMMAND POST VEHICLE

The M577A4 Command Post Vehicle is the next generation modernized version of the M577 vehicles. Vehicle is used as an operational staff officer's command post at Brigade and Battalion organization. It can also be configured as a Fire Direction Centre. It has a capacity of carrying 7 personnel including the driver, vehicle commander and staff officers.



M548A4 CARGO CARRIER

The M548A4 Cargo Carrier is the next generation modernized version of the M548 vehicles. It is the unarmored derivative of the M113 family and is capable of transporting 4,800 kg of ammunition and general cargo to forward areas to support the field units. The M548A4 is configured with a driver's cabin capacity of carrying 4 personnel including driver and 3 passengers. A self defence 12.7 mm MG is also mounted on top of the crew cabin.



M901A4 ANTI-ARMOR

The M901A4 Anti-Armor is the next generation modernized version of the M901 vehicles. Vehicle is designed to carry an overhead M220 2xTOW launcher with 10ea stowed ATGM rounds inside the vehicle. It has a capacity of carrying 4 personnel including the driver, commander, gunner, and loader.



M113A4 MEDICAL EVACUATION (AMBULANCE)

The M113A4 ME (Ambulance) is the next generation modernized version of the M113A1 & A2 Ambulance vehicles. The vehicle is a highly maneuverable, tracked armored ambulance designed primarily for casualty evacuation from forward battle areas. It has a capacity of carrying a driver and a medic with either 2 patients on stretchers and 4 seated patients or just 9 seated patients.