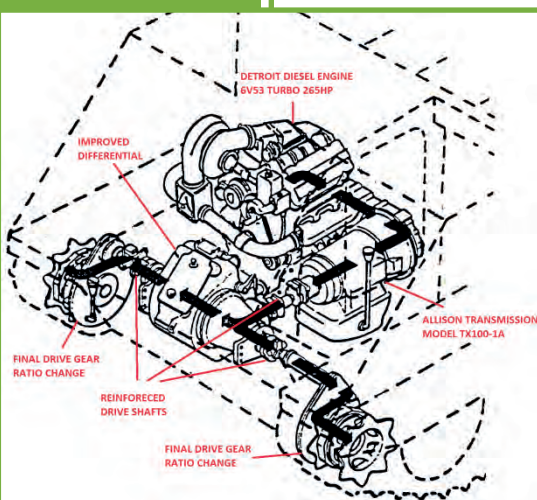


M113A2⁺

ARMORED PERSONNEL CARRIER



The M113A2⁺ is a fully tracked armored personnel carrier. This variant of the basic M113 is equipped with several upgrades on the propulsion system, engine cooling design and suspension.



UPGRADES

The engine power of the standard M113 (205hp) is upgraded to 265hp-275hp by installation of a turbocharger.

POWER PACK

Detroit Diesel 6V53 Turbo engine, 265hp
Model: 5063-5396
Allison TX100-1A transmission

DIFFERENTIAL

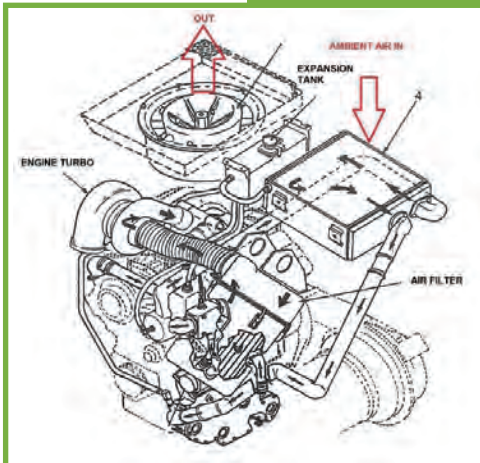
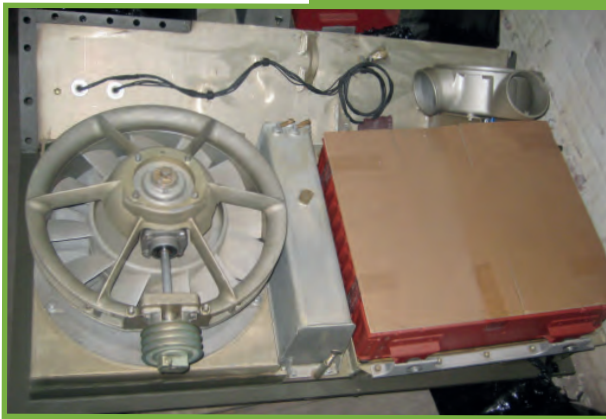
3-holed brake band cooling

REINFORCED U-JOINTS AND DRIVE SHAFTS

to cope with increased engine output

FINAL DRIVE

gear ratio change to 4.3 or 4.7 for better acceleration.



IMPROVED COOLING ENGINE COMPARTMENT :

To operate the vehicle at higher ambient temperatures without overheating and to reduce oil film and dust build-up on the radiator core.

- reversed airflow (negative pressure) which reduces possibility of exhaust fumes leaking into the crew compartment
- increased radiator capacity
- separate expansion tank

SUSPENSION SYSTEM :

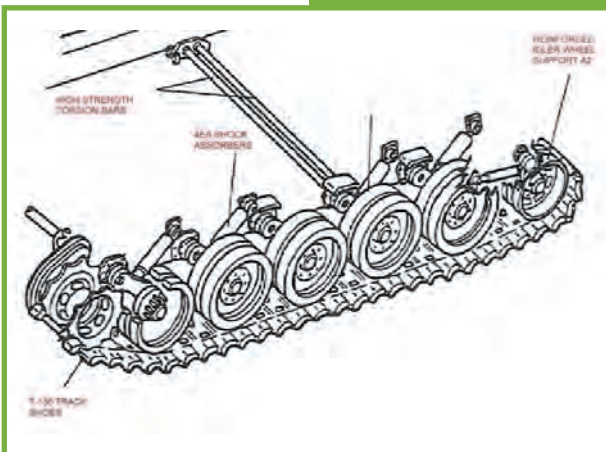
The standard M113A1 suspension was designed for 11.000kg GVW but has some weaknesses with increased vehicle weight, speed and acceleration.

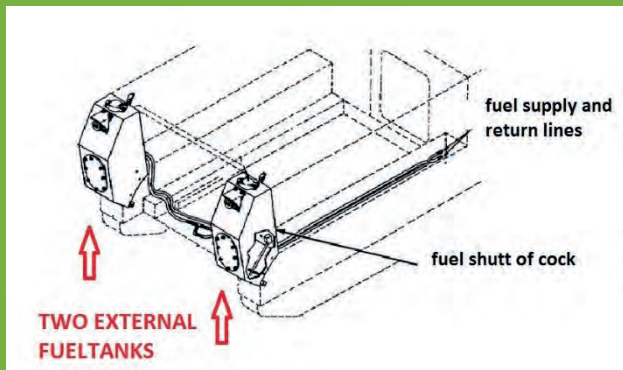
The A2 version has an upgraded suspension system that can cope with higher vehicle weight and higher power-pack output.

- Extra set shock absorber on second wheel
- High strength torsion bars
 - 430mm ground clearance
 - Suitable for 15 ton GVW
 - High strength steel torsion bars

Which results in :

- Greater cross-country speed
- Better ride quality and control
- Reduced maintenance, increased life of suspension components





EXTERNAL FUEL TANKS :

Two separate fuel tanks mounted externally on the back of the vehicle to replace the inner fuel tank.

- improves survivability of crew (reduced fire hazard)
- increased stowage space of 0.45 m³
- provide same level of ballistic protection
- retains 360 liter diesel capacity (2 x 180 liter)
- permits vehicle operation if one tank is damaged



BODY REINFORCEMENT :

- Rear door
- Idler wheel support

AVAILABILITY

We currently have +150 M113A2+ vehicles in stock.

The rear compartment can be configured by the client to any function : personnel carrier, maintenance, command post, ambulance, ...

GENERAL FEATURES

DIMENSIONS

Length incl. fuel tank :	513 cm
Width :	253 cm
Width incl. shrouds :	268 cm
Height hull :	188 cm
Ground clearance :	43 cm

PERFORMANCE

Speed :	gear 1	13.6 km/h
	gear 1-2	31.6 km/h
	gear 1-3	55.0 km/h
	gear 2-3	55.0 km/h
Autonomy (average speed of 40 km/h) :		450 km
Consumptions :		80 liter/100 km
Maximum slope :		40%
Inclination :		30%
Obstacles to cross :	maximum wall height	0,6 m
	maximum trench length	1,7 m

CAPACITY

Cooling fluid :		54 liter
Oil:	engine	17 liter
	transmission	15 liter
	differential	19 liter
	transfer gear case	2,4 liter
	final drive	4,3 liter/ea
	cooling fan.....	0,24 liter
Hydraulic oil :	ramp system	1,9 liter
Fuel :		360 liter

FLANDERS TECHNICAL SUPPLY NV - SYLLAB SA

J. De Blockstraat 62A
2830 Tiselt – Belgium

Tel : +32 3 886 76 00
E-mail : krisv@ftsbelgium.com