

CASSPIR Mk-I

THE MECHEM SPECIFICATION CASSPIR Mk-I ARMoured PROTECTED PERSONNEL CARRIER



The **CASSPIR Armoured Protected Personnel Carrier (APC)** is a leader in its class bringing high technology and battle proven effectiveness together to provide one of the safest landmine resistant personnel carriers in the world.

The CASSPIR APC use to be defended by its crew using their personal weapons and a gunner fired a roof or front mounted LMG from inside this completely armor protected vehicle. However, these vehicles have served their purpose in war and are now applied in an opposite roll as humanitarian demining work platforms and personnel carriers.



Double cab 4x4 after landmine exploded



Casspir MkI with fitted Steelwheels after landmine exploded

General

A CASSPIR Mk-I has proven landmine resistance that allow a crew of twelve plus, driver and co-driver, to be transported safely in landmine ridden areas.

The vehicle has robust front impact resistance with external components protected against heavy brush, and foliage often found in combat areas.

Access to the vehicle is through pneumatically operated double doors at the rear of the hull. The external pneumatic switch for door operation can be isolated from inside the vehicle. A roof hatch is provided above the driver's seat.

Low noise levels make internal communication easy.

All seats are fitted with safety belts. The driver's seat is adjustable offering most drivers extremely good visibility.

Stringent testing to internationally approved standards and modern manufacturing methods (including 8 years of combat in the toughest battle environments and climate in the world) have made the CASSPIR Mk-I APC the most advanced personnel carrier of its type.

The hull shape ensure limited damage should a landmine be detonated by a wheel. Under normal conditions modular replacement repair of components will have the CASSPIR back and running in approximately twelve hours.

Bullet resistant glass and a welded armor hull will resist small arms fire as well as landmine blasts protecting not only its personnel but all vital automotive components housed inside the hull.

All MECHEM specification CASSPIR MK-I models are fitted with later model turbocharged diesel engines. This gives a MK-I similar power and performance capabilities as the Mk-II and Mk-III models.

The CASSPIR suspension consists of heavy duty leaf springs with heavy duty double action shock absorbers. Check straps limit the maximum axle movement allowed by the leaf spring suspension.

Brake systems (including an exhaust brake) used on MECHEM Specification CASSPIR Mk-I's further enhances on- and off-road handling characteristics. This together with a differential lock, selectable 4 wheel drive and tremendous axle movement give the CASSPIR Mk-I a go-anywhere capability in off-road conditions.

A basic CASSPIR APC Mk-I comes with the following equipment fitted as standard:

- 200 liter drinking water tank.
- 2 Spare wheels.
- Tarpaulin Cover for Roof Opening –(Steel Cover and Air-conditioning is optional)
- Front and Rear Tow Hitch.
- 2 Fire Extinguishers Onboard.
- Tow Bar Mounted On Roof Side.
- Dual Fan Ventilation.

Repair

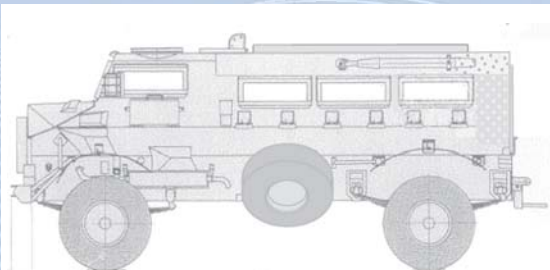
The CASSPIR Mk-I has been designed to ensure that the cost of repair of mine damaged vehicles remains within reasonable cost limits.

The degree of mine protection is such that repair costs are highly favorable compared to cost of purchase of a new vehicle. Interchangeability of components and protection given to vital and expensive components make the CASSPIR series very economical in mine clearing operations.

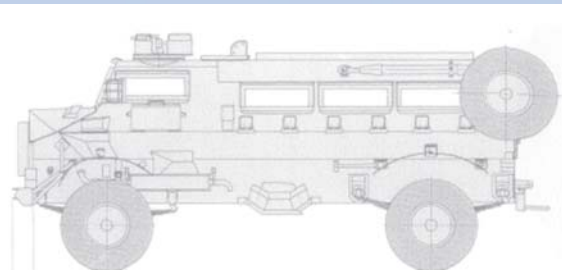
Maintenance

Although all vital components are well protected they are easily accessed. Routine maintenance can be carried out under field conditions. (i.e. The braking system is modular and contained within a single compartment.)

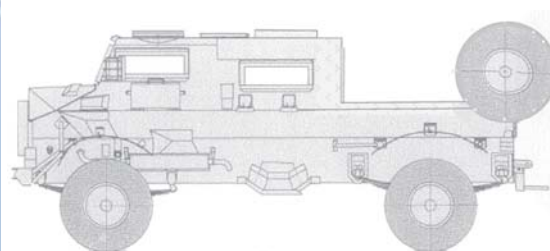
Apart from the shell which is landmine resistant, external components are also protected against blast and bush Impact. Special features are; Blast proofing of the battery box, engine sump drain, front differential and transfer case protection. Magnetic fuel cap is in a blast proof protector.



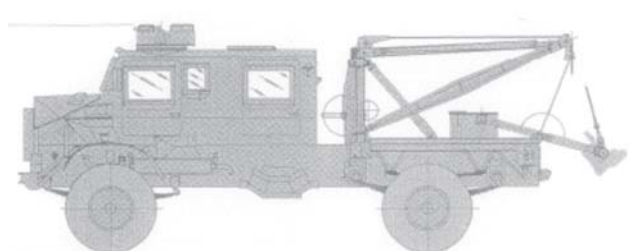
MK-I PROTECTED PERSONNEL CARRIER



MK-II & III PROTECTED PERSONNEL CARRIER



CASSPIR-S PROTECTED LOG CARRIER



15-Tonne PROTECTED RECOVERY