

Type: Carrier, Personnel, Armored, 4x2 Nomenclature: **Mamba Mk I MPAPC**  
 Country: Union of South Africa Date of Introduction: 1989

**Physical Data:**

Weight:  
 Empty ..... 10,915 lbs (4950 kg)  
 Loaded ..... 14,222 lbs (6450 kg)  
 Length (OA) ..... 231.5 in (5883 mm)  
 Width (OA) ..... 93 in (2363 mm)  
 Height (OA) ..... 97 in (2468 mm)  
 Ground Clearance .... 13.5 in (343 mm)  
 Wheel Base ..... 134.3 in (3412 mm)  
 Wheel Tread .....  
 Drive ..... 4x2  
 Armor ..... protected up to 7.62mm ball  
 NBC Protection ..... No



Remarks: The Mamba I, was designed by Dr. Vernon Joynt Mechem, using stock Toyota truck components for the engine and running gear. Primarily a police vehicle, the Mamba I was also used by the

**Armament:**

Main ..... Light machinegun on roof  
 Elevation & Traverse ..... Manual

**Capacity:**

Fuel ..... Diesel  
 Crew/Passengers ..... 2/5

**Engine:**

Type ..... In-line Diesel  
 HP at Rev/Min ..... 139 hp @ 2900 rpm  
 Model ..... JO 5 C  
 Mfr ..... Toyota  
 No. of Cyls ..... 4  
 Location ..... Front  
 Cooling ..... Liquid

SADF which asked for a 4x4 version to be developed (resulting in the Mamba Mk II in 1990) which used the then standard with the SADF, Unimog 416 parts inventory. The armored hull protects against small arms fire and shell fragments, and all glass is bulletproof to the same standard as the hull. Crewed by two, the Mamba Mk I can carry five fully equipped troops seated in the rear cabin. There are also roof hatches above the rear compartment. Although supplemented by the Mk II starting in 1993 the Mk I was still in use for several more years. The basic configuration of the vehicle is standard, with the driving compartment at the front behind the engine, the driver on the right and the vehicle commander on the left and five passengers in the rear.

Usage: Nearly 500 Mamba Mk Is were completed and used in South Africa, while Sweden acquired four Mk Is for UN peace keeping duty.

**Transmission:**

Type ..... manual, 6-spd synchromesh  
 Speeds Fwd/Rev ..... 5/1  
 Model ..... H261  
 Mfr ..... Toyota

Manufacturer: TFM Pty. Inc., Union of South Africa

Top: Mamba Mk I. (Photo: FTM Pty. Inc).

**Suspension System:**

Type ..... Leaf spring  
 Wheels Steerable ... (2 power) front axle  
 Turning Radius ..... 41 ft (12.5 m)  
 No of total wheels ..... 4  
 Tire Size ..... 12.50x20

**Night Vision Devices:**

No vehicle mounted devices.

**Performance:**

Speed/Land ..... 75 mph (120 km/h)  
 Speed/Water ..... N/A  
 Range .....  
 Fording Depth .....  
 Max Grade ..... 28.6 deg (50%)  
 Trench Crossing .....  
 Step .....  
 Angle of approach ..... 48 deg  
 Angle of departure ..... 43 deg