

Type: Vehicle, Reconnaissance *Nomenclature: Marmon-Herrington Armored Car Mark 4F*

Country: South Africa Date of Introduction: 1943

Physical Data:

Weight:

Empty ..... 12740 lb (5784 kg)  
Loaded ..... 14880 lb (6756 kg)  
Length (OA) ..... 217.5 in (5525 mm)  
Width (OA) ..... 84 in (2134 mm)  
Height (OA) ..... 90 in (2286 mm)  
Ground Clearance . 11 in (279 mm)  
Wheel Base ..... 114 in (2896 mm)  
Wheel Tread ..... 69 in (1753 mm)  
Drive ..... 4x4  
Armor ..... .24-.47 in  
(6-12 mm, 4 mm  
under driver's  
compartment)

Armament:

Main - Cal ..... 40 mm (2-pdr gun)  
Model ..... Witwatersrand GM  
Elevation ..... Manual -5 to +20°  
Traverse ..... Manual 360° in 22  
seconds  
Fire Control ..... Optical  
Aux wpn - Cal ..... .30 cal Browning

Capacity:

Fuel ..... 40 gal (151 liters)  
Gasoline  
Ammo/Qty ..... 40 mm (53 rds)  
.30 cal (2,250 rds)  
Crew ..... 3

Engine:

Type ..... Gasoline  
HP at Rev/Min ..... 95 hp  
Model ..... Mercury  
Mfr ..... Ford  
No. of Cyls ..... V8  
Location ..... Rear  
Cooling ..... Liquid

Transmission:

Type ..... Manual  
Speeds Fwd/Rev ..... 4/1 w/2-spd trnsf  
Mfr .....

Suspension System:

Type ..... Leaf spring  
Wheels Steerable .... Front pair  
Turning Radius .....  
No of total wheels ... 4  
Tire Size ..... 10.50x20 run flat

General Data:

Electrical ..... 6 Volt  
Radio ..... Wireless Set No. 19  
w/intercom

Night Vision Devices: n/a

Performance:

Speed/Land ..... 52 mph (84 km/h)  
Speed/Water ..... n/a  
Range ..... 360 mi (579 km)  
Fording Depth .....  
Max Grade .....  
Trench Crossing .....  
Step .....



*Remarks:* The Mark 4F was developed with the placement of an order from the British War Office for an additional 1,180 Mk 4s. Delivery of conversion kits from Marmon-Herrington was a chronic shortage and it was decided to switch to the chassis of the Canadian built Ford F60L 3-ton truck which were already on order. With the Mark 4F the engine was mounted with the clutch and gearbox mounted facing to the front of the vehicle. The Mark 4F was essentially a front wheel drive vehicle, with the drive normally transmitted through the front axle only, with the driver able to engage the rear wheels as well for four wheel drive. Initial armament for all Mark 4Fs included the 2-pdr (40-mm) quick fire cannon

Above, Top: Mk 4F with the Israel Defense Force circa 1947/48. Israel managed to obtain a few Mk 4Fs on the surplus market. Above, Bottom: Syrian Mark 4Fs circa 1950. Unlike the Israelis, the Syrians were able to get their vehicles from official sources. (Photos: Author's collection)

and two-.30 caliber Browning light machine guns.

*Usage:* Used by Commonwealth forces during WWII, and Cyprus, Greece, Guatemala, Israel, Jordan, Lebanon, Rhodesia, South Africa and Syria post war. Most vehicles used after WWII were the 4F version.

*Manufacturer:* Chassis, Ford Motor Company of South Africa Pty. Body, South African Iron & Steel Industries.