

Type: Veh, 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)
 Grd Clearance 10.5 in (267 mm)
 Wheel Base 118 in (2997 mm)
 Wheel Tread 69 in (1753 mm)
 Drive 4x4 or 4x2
 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 V8
 HP at Rev/Min 95 hp @ 3600 rpm
 Model Mercury
 Mfr Ford
 No. of Cyls 8
 Location Rear
 Cooling Liquid

Transmission:
 Type Manual
 Gears Fwd/Rev 4/1 w/2-spd trnsf
 Mfr Ford

Suspension System:
 Type Leaf spring
 Steering Front axle
 Turning Radius unk
 No of 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 200 mi (322 km)
 Forging Depth unk
 Max Grade unk
 Trench Crossing unk
 Step unk



Remarks: The Mark 4F was developed with the placement of an order from the British War Office for an additional 1,180 Mk 4s (Late). Delivery of conversion kits from Marmon-Herrington was chronic 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 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, Mk 4F with the Israeli Defense Force circa 1947/48. Israel managed to obtain a few Mk 4Fs on the surplus market. Top: Mark 4Fs of the Syrian Army circa 1950. Unlike the Israelis, the Syrians were able to get their vehicles and parts 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.