

Type: Carrier, Weapons Nomenclature: **M151A1C, Trk, Util, 1/4-ton, w/Rifle 106mm**

Country: US *Date of Introduction:* 1966

Physical Data:

Weight:

Empty 2400 lbs (1088 kgs)
Loaded 4500 lbs (2043 kgs)
Length (OA) 143.5 in (3645 mm)
Width (w/spare) 70 in (1778 mm)
Height (windshield up) 77 in (1956 mm)
Ground Clearance .. 8 in (210 mm)
Wheel Base 85 in (2159 mm)
Wheel Tread 53 in (1346 mm)
Drive 4x2 or 4x4
Armor n/a
NBC Protection ... Individual

Armament:

Main - Cal..... (1) M40A1 106mm
RR on Mount M79
Elevation Manual
Traverse Manual

Capacity:

Fuel 16 gals (60 liters)
gasoline
Ammo/Qty 106mmRR (6-8 rds)
Crew/Passengers ... 1/3

Engine:

Type In-line gasoline
HP at Rev/Min 71 hp (52.5 kW)
@ 4000 rpm
Model L-142
Mfr White
No. of Cyls..... 4
Location Front
Cooling Liquid

Transmission:

Type Manual
Speeds Fwd/Rev 4/1 w/selective 4wd
Model unk
Mfr Ford

Suspension System:

Type Indep coil spring
Wheels Steerable ... Front pair
Turning Radius 18.5 ft (5.6 m)
No of wheels 4
Tire Size 7:00x16

General Data:

Elec Voltage 24V w/(2)
12V batteries
Radio As fitted by user
Cargo Vol/Weight ... n/a

Night Vision Devices: Individual

Performance:

Speed/Land 50 mph (80.5 km/h)
Speed/Water n/a
Range 300 mi (483 km)
Fording Depth 21 in (533 mm)
Max Grade (est).... 50%
Trench Crossing 60 in (1524 mm)
w/crossing kit
Step (est) 8 in (203 mm)



Top: M151A1C in Vietnam 1970, and above, an A1C of the National Guard before switching to the TOW system. (Photos: US Army)

Remarks: The 106mm recoilless rifle was first officially mounted on the M151A1 (which then became the M151A1C) in the spring of 1965, replacing any M38A1C jeeps still in service. The converted vehicles were fitted with heavy-duty springs to accommodate the weight of the M40A1 Rifle (251lbs - 114 kgs) and the M79 Mount (196 lbs - 89 kgs). Elevation for the rifle was from +65 to -17 degrees. Storage for six rounds of ammunition was also provided in the rear of the vehicle. Special training was needed for the driver as the center

of gravity was much higher than the standard M151A1, and maximum speed of the A1C was lowered to 50 mph (80.5 km/h). Any speed over 20 mph (32 km/h) required extreme caution. Even more care was needed when the vehicle was operated without the weapon as balance and steering were thrown off.

Usage: US Army and several other countries. At least some A1Cs were adapted to carry searchlights or locally fabricated armor protection.

Manufacturer: AM General.