

Type: Car, Armored, 8x8 Nomenclature: **Car, Armored, T18**

Country: US Year of Introduction: 1941

**Physical Data:**

Weight .. 52,000 lbs (23,608kgs)  
Wheel Base .....  
Length (oa).....  
Width (oa) .....  
Height (oa) .....  
Ground Clr ....  
Armor 1 to 2 in (25.4 - 50.8mm)  
NBC Protection .....No

**Armament:**

(1) 37mm cannon and (2) .30  
caliber LMG  
Elevation .....  
Traverse .....360°

**Capacity:**

Fuel ..... 210 gal (794.9 ltrs)  
Ammo/Qty .....  
Crew/Passengers ..... 5

**Engine:**

Type ..... Gasoline  
HP ..... (2) @ 125 hp ea  
Engine Model .....  
Mfr ..... GMC  
No of Cyls ..... 6  
Location ..... Rear  
Cooling ..... Liquid

**Transmission:**

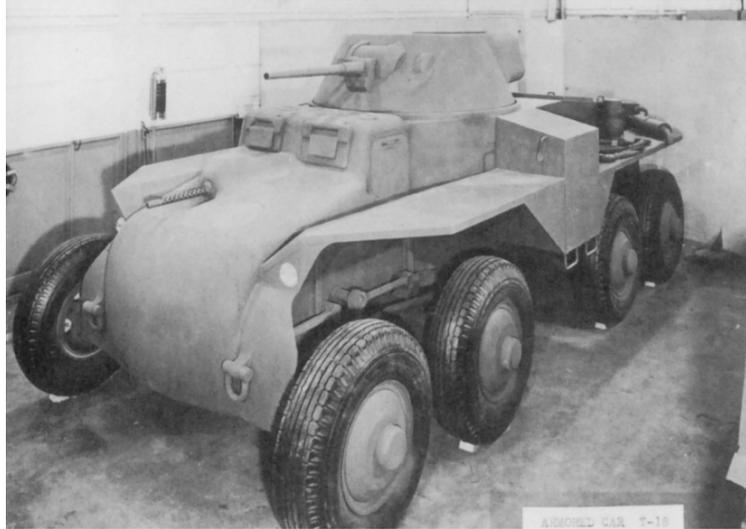
Type .....  
No of speeds Fwd/Rev .....  
Mfr ..... GMC

**Suspension System:**

Type ..... Coil spring  
Wheels ..... Steering, front four  
Turning Radius .....  
No of total wheels .....8  
Tire Size .....

**Performance:**

Speed/Land .....50 mph (80.5k/ph)  
Range .....250 mi (402.3km)  
Fording .....  
Max Grade .....  
Trench .....  
Step .....  
Drive ..... 8x8



**Photo top: The single T18 completed. (US Army, photo)**

**Remarks:** The T18 resulted from the characteristics of the heavy armored car as projected in July 1941 in accordance with the desires of the Armored Force and the British. These characteristics were those of a wheeled armored vehicle with 360 degree turret, power -operated, and stabilized gun, weighing about 32,000 pounds (14,528kgs), and carrying one 37mm gun, or a heavier piece if practicable, in combination with one caliber .30 machine gun, and one caliber .30 machine gun in the bow. The proposed armor was a 2-inch (50.8mm) basis for frontal plates of hull and turret, and sides and rear 1 to 1.25-inch (25.4 to 31.75mm). A speed of 50 miles an hour (80.5k/ph) was desired, and 300 miles (482.7km) of action. The power plant was to be diesel or gasoline, with diesel preferred. Two pilots each of two designs were to be procured from Yellow Truck and Coach Division, General Motors Corporation. The first, designated armored car T18, was an 8x8 vehicle, conventionally sprung, with dual engines in the rear, and mounting a 37mm light tank turret. The second, designated Armored Car T18E1, was a 6x6 vehicle with in-dividually sprung wheels. The project for this vehicle was, suspended in favor of development of armored car T19. Agreement was reached in May 1942, between the British Tank Mission and the United States Tank Com-mittee that the T18 design should be modified to provide for the mounting of the 57mm gun instead of the 37mm gun. One armored car T18 was to be completed without modification. The second pilot, designated T18E2, was modified to mount the 57mm gun, M1 with other changes. These changes delayed production until December 1942. By recommendation of the Special Armored Vehicle Board the T18, T18E1, and T18E2 projects were closed, since these vehicles were too heavy for reconnaissance use.

**Usage:** US Army, one pilot.

**Manufacturer:** Yellow Truck and Coach, GMC.