

TM 9-2800

RESTRICTED

WAR DEPARTMENT

TECHNICAL MANUAL

**STANDARD MILITARY
MOTOR VEHICLES**

1 SEPTEMBER 1943

**Dissemination of restricted matter.—The information contained in restricted documents and the essential characteristics of restricted materiel may be given to any person known to be in the service of the United States and to persons of undoubted loyalty and discretion who are cooperating in Government work, but will not be communicated to the public or to the press except by authorized military public relations agencies. (See also paragraph 18b, AR 380-5, 28 September 1942.)*

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STANDARD MILITARY MOTOR VEHICLES

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INTRODUCTION

Data and illustrations herein are from the most reliable sources available at date of publication. Production variations and changes account for some discrepancies. It is suggested that such differences or additional pertinent information be brought to the attention of Military Publications Section, Executive Branch, Tank-Automotive Center, Detroit, Michigan, at the earliest possible moment, for use in preparation of future editions.

Information on responsibility of maintenance, storage and issue is given in section XVIII. This section also contains an index, and shows classification according to general purpose, special equipment or special purpose.

More detailed information will be found in the Technical Manuals listed for each vehicle.

EXPLANATION OF TERMINOLOGY USED

The term "maximum gradability" indicates the steepest slope the vehicle can negotiate in low gear.

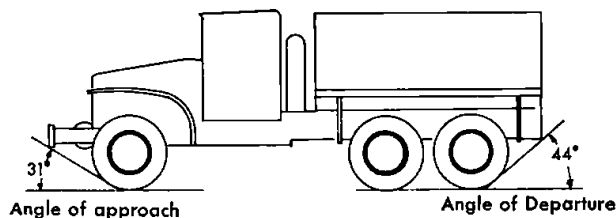
Ordnance practice of determining slope in terms of percent is the same as is customary in other technical fields such as surveying and construction of roads and railroad grades.

Percent of slope is defined as the ratio between the vertical rise and the horizontal distance travelled.

Some confusion arises from the practice of measuring angles in degrees. Examples of slopes measured in terms of degree of angle and percent of slope follow:

Degree of angle	Percent of slope
0°	0%
10°	17.633%
30°	57.735%
45°	100%

- SNL Standard Nomenclature List.
- 6 x 4 Six wheels, four driving wheels.



- w/w With winch.
- wo/w Without winch.
- Net weight Weight of vehicle in operating condition without crew or payload.

**STANDARD MILITARY MOTOR VEHICLES
CLASSIFICATION**

The vehicles in this manual are classified in the following manner, in accordance with Army Regulations 850-25, paragraph 13:

a. Standard Vehicles are the most advanced and satisfactory that have been adopted by the Secretary of War and are those which are preferred for procurement to meet supply demands.

b. Substitute Standard Vehicles are those which do not have as satisfactory military characteristics as standard vehicles but are usable substitutes for standard vehicles. They are not normally in use or available for issue to meet supply demands but would, when necessary, be procured to supplement the supply of standard vehicles.

c. Limited Standard Vehicles are those which do not have as satisfactory military characteristics as standard vehicles, but are usable substitutes for standard vehicles, and are either in use or available for issue to meet supply demands. Complete major units will not be reproduced but component parts and complementary articles, even though they may be limited standard articles, may be procured if necessary to maintain the complete major units in serviceable condition.

The wheeled vehicles in the manual are further classified in the following manner, in accordance with Army Regulations 850-15, paragraph 3:

a. General Purpose Vehicles are all wheeled vehicles intended for movement of personnel, supplies, ammunition, or equipment or towing of guns, trailers, or semitrailers, and which are used by more than one service.

b. Special Equipment Vehicles are wheeled vehicles, the chassis of which are basically identical to those used in general purpose vehicles, but which have a special body or special equipment mounted thereon.

c. Special Purpose Vehicles are wheeled vehicles, the chassis and body of which are designed for a special purpose. These vehicles do not incorporate body or chassis of either general purpose vehicles or special equipment vehicles.

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STANDARD MILITARY MOTOR VEHICLES
TRUCK, AMPHIBIAN, 1/4-TON, 4 x 4

Technical Manual: TM 10-1263

Part List: SNL G-504

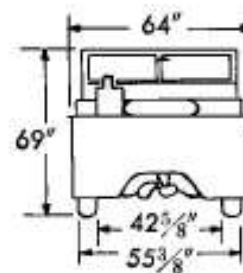
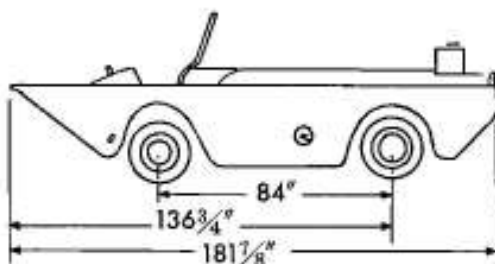
Manufacturer: Ford Motor Co.



RA PD 308923

Classification: Standard

Purpose: To transport personnel on land and water.



SECTION I—AMPHIBIANS AND LANDING VEHICLES
TRUCK, AMPHIBIAN, ¼-TON, 4 x 4

GENERAL DATA

Crew, operating 2	Passenger capacity, including crew	5
Weight	Net (lb)	3,660
	Payload (lb)	800
	Gross (lb)	4,460
Shipping dimensions	(cu ft) (sq ft)	81
Tires	Ply 6 Size 6.00 x 16	
Tread, center to center	(in.)	49
Ground clearance	(in.)	8 ⁷ / ₈
Life preservers	Seat cushion type	5
Loaded waterline length	(in.)	165
Loaded freeboard:		
at coaming (in.)	Front 21 Rear 19	
at deck (in.)	Front 17 Rear 9 ¹ / ₂	
Loaded draft (in.) at front wheels 29 ¹ / ₄	at rear wheels 33 ¹ / ₂	
Electrical system	(volts)	12
Capacities	Fuel, 70 octane gasoline (gal)	15
	Cooling system (qt)	13
	Crankcase (refill) (qt)	4
Pintle height	(in.)	28 ¹ / ₄
Brakes	Hydraulic	

PERFORMANCE

Maximum gradability	(percent)	45
Turning radius (ft)	Land 18 ¹ / ₄ Water 18	
Angle of approach	(deg)	37 ¹ / ₂
Angle of departure	(deg)	37
Cruising range	Land (miles)	250
	Water, top speed 2nd gear (miles)	18 ³ / ₄
	Water, cruising speed 3rd gear . . (miles)	37
Maximum allowable speed (mph):	1st 2nd 3rd	
	Land 24 41 60	
	Water 5.5 4.5	

ENGINE

Manufacturer	Ford	Model GPW	
Type	In-line, 4 cycle	Number of cylinders	4
Displacement	(cu in.)		134
Governed speed	Not governed		
Brake horsepower			60
Ignition type	Battery		

ADDITIONAL DATA

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STANDARD MILITARY MOTOR VEHICLES
TRUCK, AMPHIBIAN—2½-TON, 6 x 6

Technical Manuals: TM 9-802,
TM 9-1802A, TM 9-1802B

Parts List: SNL G-501

Manufacturers: General Motors Truck and Coach Div. of Yellow Truck
& Coach Mfg. Co.

Armament: Provision for installation of M36 truck mount for antiaircraft
machine gun.



RA PD 308913

Classification: Standard

Purpose: To transport cargo and personnel on land and in water. This
vehicle is popularly known as "The Duck."

