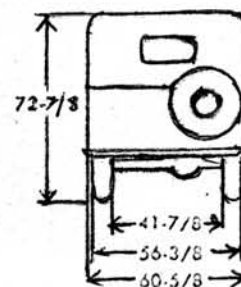
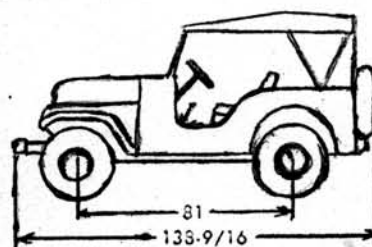
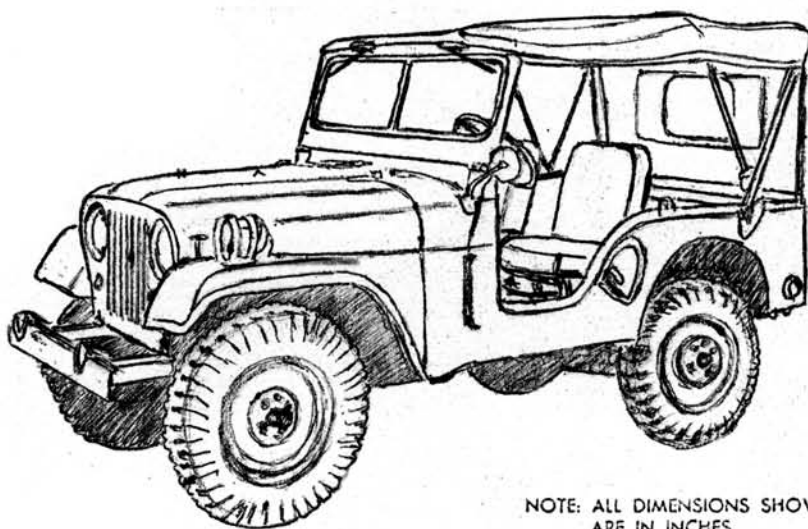


TRUCK, UTILITY: 1/4-TON, 4 X 4, M38A1 AND M38A1C, W/E



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

CRD E4096

Major items

Model	Line item No.	Federal stock No.
M38A1, w/o winch.....	4-61790-35	2320-835-8319
M38A1, w/winch.....	4-61791-10	2320-835-8320
M38A1C, w/o winch.....	4-61793-00	2320-141-8841
M38A1C, w/winch.....	4-61794-00	2320-141-8842

General

TRUCK, UTILITY: 1/4-ton, 4 x 4, M38A1 and M38A1C, w/e is used to transport command, reconnaissance personnel, and light cargo (M38A1 when modified for mounting the RIFLE, 105 MILLIMETER: M27 or M27A1 is referred to as the M38A1C). Power is supplied by an F-head, 4-cylinder, 4-cycle, water-cooled, gasoline-type engine. The transmission has three forward speeds and one reverse speed, all manually selected by means of the gearshift lever. The transfer is a two-speed unit driven by the transmission and distributes power to the front and rear axles through propeller shafts. The front axle is a full-floating, single reduction type equipped with a conventional differential with hypoid drive gears. The front suspension consists of two semi-elliptic-type leaf springs. The rear axle is a semifloating, single-reduction-type equipped with a conventional differential with hypoid drive gears. The rear suspension consists of two semielliptic-type leaf springs. The service brake system is hydraulically actuated. The mechanical handbrake system serves primarily as a parking brake. The electrical system is a 24-volt submersible-type equipped with two 12-volt lead-and-acid type batteries connected in series.

Differences among models

The utility truck M38A1C has a split windshield to provide space for the stowage of the 105-mm rifle when it is not in use. The truck M38A1C also has its rear seat removed to provide space for mount M75 or M75A1 which supports rifle M27 or M27A1, respectively. The spare tire of truck M38A1C is mounted on the right front side while the spare tire of truck M38A1 is mounted on the rear of the vehicle. Racks for ammunition are provided under mount M75 or M75A1, and a tailgate covers the ammunition compartment of the truck M38A1C.

Data plate location: The identification plate is fastened to the right side of the instrument panel.

Classification: Standard B (OTCM 36841)

CHARACTERISTICS

Weight of vehicle:	
Net.....	2,665 lb
Payload:	
Highway.....	1,200 lb
Cross-country.....	800 lb

Gross:	
Highway.....	3,865 lb
Cross-country.....	3,465 lb
Length (overall).....	138 5/8 in.
Width (overall).....	60 1/2 in.
Height:	
Overall (max).....	73 in.
Lowest operable (over steering wheel).....	56 1/4 in.
Ground clearance.....	9 1/2 in.
Capacities:	
Cooling system.....	11 1/2 qt
Crankcase (refill).....	4 1/2 qt
Differential (each).....	2 1/2 qt
Fuel tank.....	17 gal
Transmission.....	1 qt
Transfer.....	3 pt
Engine:	
Manufacturer.....	Willys
Type.....	F-head, 4-cycle
Cylinders.....	4
Displacement.....	134.2 cu in.
Bore.....	3 1/8 in.
Stroke.....	4 3/8 in.
Compression ratio.....	7.4:1
Brake horsepower (max w/std access.).....	72 @ 4,000 rpm
Torque (max).....	114 lb-ft @ 2,000 rpm
Electrical system:	
Number of batteries.....	2
Type of ground.....	negative
Voltage.....	24
Distributor w/coil assembly:	
Manufacturer.....	Auto-Lite
Voltage.....	24
Ignition coil:	
Manufacturer.....	Auto-Lite
Model.....	CT4002
Voltage.....	24
Spark plugs:	
Ordinance number.....	8357724
Thread size.....	14-mm
Starter:	
Manufacturer.....	Delco-Remy or Auto-Lite
Model.....	DR-X10483 or MC1-4001UT
Voltage.....	24
Drive.....	over-running clutch