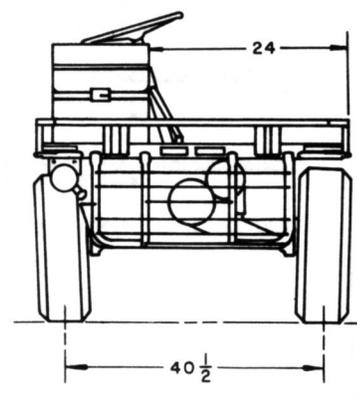
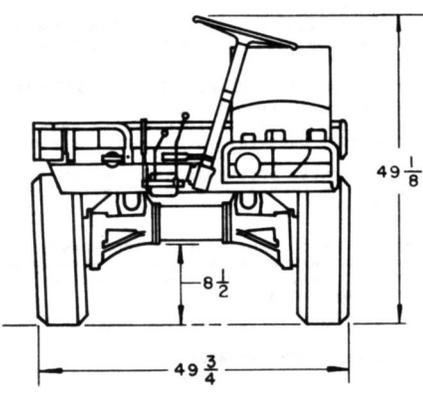
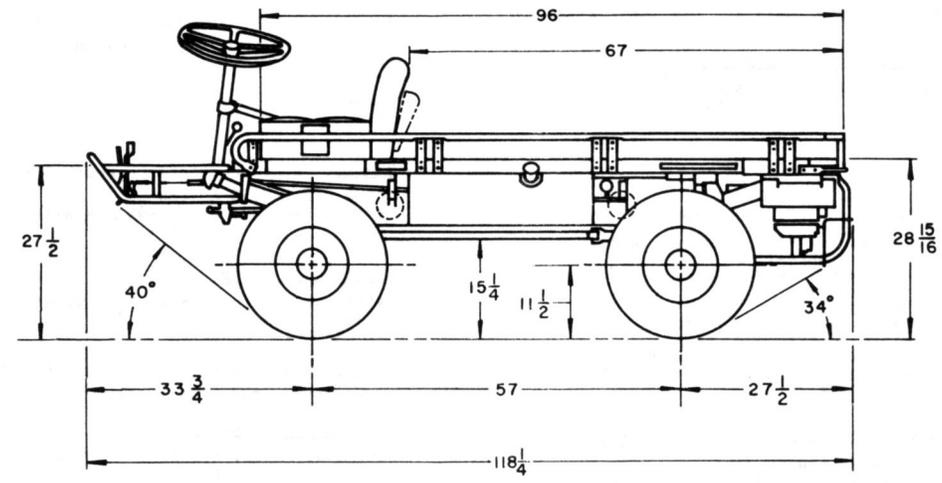


FED. SUP CLASS  
2320



REVIEW ACTIVITIES: ARMY-EL  
USER ACTIVITIES: NAVY-YD-IMC



This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

DIMENSIONS ARE IN INCHES AND ARE SHOWN FOR ENGINEERING REFERENCE ONLY.

(A) FOR CHANGES SEE SHEETS 1 AND 2

MS PART NO.	ENGINEERING PARTS LIST
MS 500052-1	8736756

P.A. AT Other Cust AF-84	TITLE (A) TRUCK, PLATFORM, UTILITY: 1/2-TON, 4X4, M274A5	MILITARY STANDARD <b>MS 500052</b>
PROCUREMENT SPECIFICATION MIL-T-45317	SUPERSEDES:	SHEET 1 OF 2

APPROVED 27 MAY 1966 REVISED (A) 17 APRIL 1972

**VEHICLE CHARACTERISTICS**

REVIEW ACTIVITIES: ARMY-EL  
NAVY-YD-MC  
USER ACTIVITIES:

This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

**CURB WEIGHT:** LESS PAYLOAD AND PERSONNEL.  
FRONT AXLE 385 LBS.  
REAR AXLE 385 LBS.  
TOTAL 970 LBS.

**FRAME ASSEMBLY:**  
SIDE RAIL, TUBULAR  
SECTION MODULUS .679 IN.<sup>3</sup>  
NO. CROSS SECTION, THREE

**PAYLOAD:** CROSS COUNTRY 1000 LBS.

**TIE DOWNS:**  
LOCATION: PLATFORM, EACH SIDE OF HANDRAILS  
LIFTING SHACKLES:  
FRONT INST'N., CENTER OF PLATFORM  
REAR INST'N., 2, CORNERS OF PLATFORM  
AXLE MOUNTED AIR BORNE, SLINGING PROVISIONS

**GROSS VEHICLE WEIGHT:**  
CROSS COUNTRY 1970 LBS.

(REFERENCED WEIGHTS ARE FOR INFORMATION ONLY.)

**WHEELS:** P/N 11592144 (A)  
SIZE: 10 X 5.50 IN., ALUMINUM

**MINIMUM TURNING DIAMETER:**  
2, WHEEL STEERING, WALL TO WALL;  
LEFT: 44 FT. 5 IN.  
RIGHT: 38 FT.

**TIRES:** TUBE-TYPE, NDMS  
SIZE: 7:50 X 10 - 4 PLY

**ENGINE:** P/N 10919400  
TYPE: MILITARY, AIR COOLED, A042  
NO. OF CYLINDERS: 2  
DISPLACEMENT: 42.4 CU. IN.  
BORE: 3.00 IN.  
STROKE: 3.00 IN.  
COMPRESSION RATIO: 6.8 TO 1  
GOVERNED SPEED: 3600 RPM  
MAX. HP. 13.5, NET 12.5 AT 3000 RPM  
MAX. TORQUE 26 FT. LBS., NET 25 FT. LBS. AT 2300 RPM

**BRAKES:** SERVICE, ROCKWELL MODEL DLM-7-50  
DRUM SIZE: 7.25 X 1.50  
BRAKE, PARKING: CABLE AND CAM WITH HAND RATCHET

**ELECTRICAL SYSTEM:**  
STARTING SYSTEM: MANUAL PULL WITH REWIND CABLE  
GENERATOR: MAGNETO

**TRANS & REAR AXLE ASSY:** P/N 11592089 (A)  
TYPE: SYNCHROMESH  
FORWARD SPEEDS: 3, REVERSE: 1  
GEAR RATIO: LOW 2.93:1, 2.93:1  
SECOND 1.71:1  
HIGH 1.00:1

**REFLECTORS:** TAPE, REFLECTIVE P/N 7049701  
LOCATION: EDGE OF PLATFORM

**PERFORMANCE:** LOADED  
CRUISING RANGE, HIGHWAY: 79 MILES  
MAXIMUM SPEED, CC: 25 MPH

**TRANSFER TRANSMISSION:** 2 SPEED, MILITARY  
GEAR RATIO: HIGH 2.44  
LOW 4.56

**KIT PROVISIONS:**  
LITTER KIT, P/N 10944804  
ADAPTION KIT, 106 MM RIFLE, SAT WEAPON P/N 5702376

(A) DEEP WATER FORDING KIT P/N 5702841  
(FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.)

**FORDING DEPTH:** w/KIT 48 IN.  
wo/KIT 18 IN.

(REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.)

**FRONT AXLE:** P/N 10945109

THIS VEHICLE SHALL BE IN ACCORDANCE WITH DRAWINGS IN REFERENCED ENGINEERING PARTS LIST, COPIES OF WHICH MAY BE OBTAINED FROM:

U.S. ARMY TANK-AUTOMOTIVE COMMAND  
WARREN, MICHIGAN 48090

APPROVED 27 MAY 1966 (A) FOR CHANGES SEE SHEETS 1 AND 2

P.A. AT Other Cust	TITLE <b>TRUCK, PLATFORM, UTILITY:</b> (A) <b>1/2-TON, 4X4, M274A5</b>	<b>MILITARY STANDARD</b>
AF-84		<b>MS 500052</b>
PROCUREMENT SPECIFICATION MIL-T-45317	SUPERSEDES:	SHEET 2