

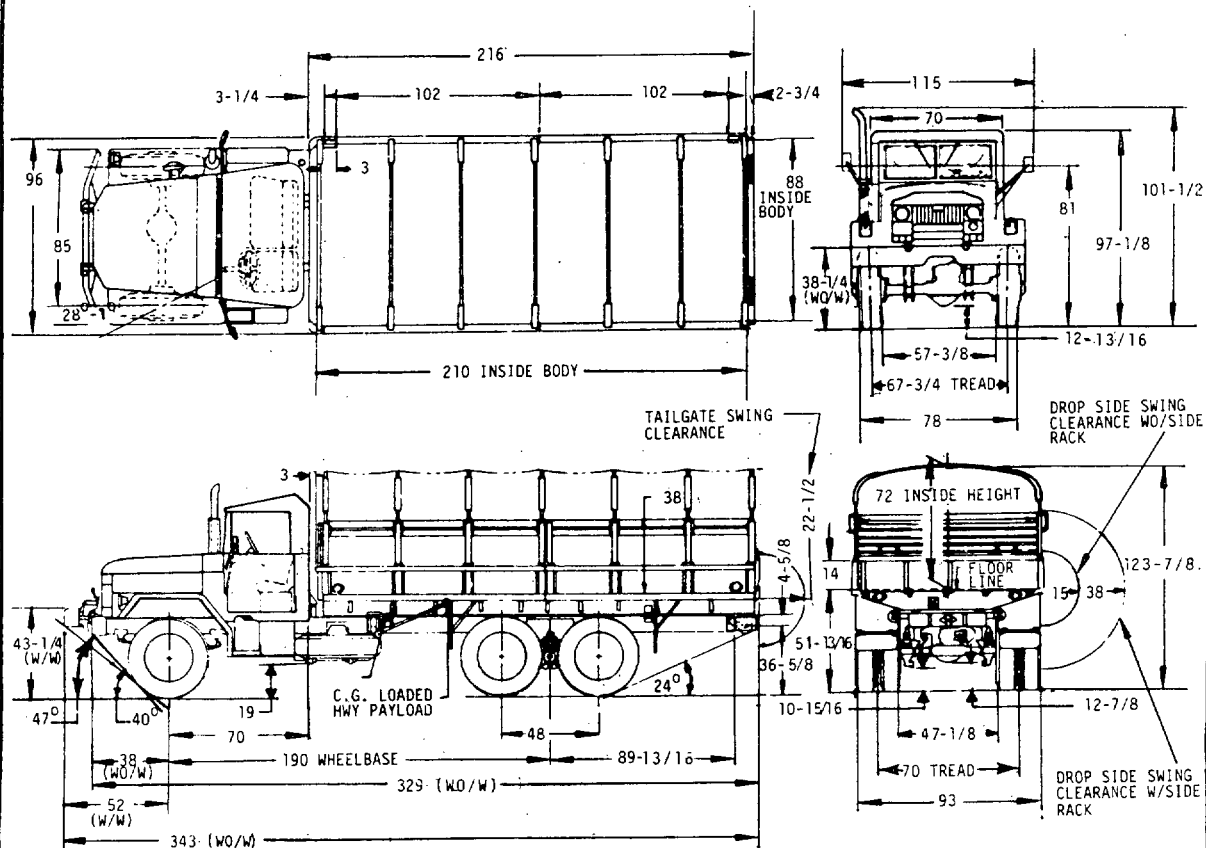
FED. SUP CLASS  
2320

USER ACTIVITIES:

REVIEWER ACTIVITIES:

This military standard is approved for use by the US Army Tank-Automotive Command, Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.



## VEHICLE CHARACTERISTICS

CHASSIS:	MODEL NO.	M46A2	REAR SUSPENSION:	INST'N	8757834
CHASSIS, WITH WINCH		8736603	REAR AXLE, TWO		7368511
CHASSIS, WITHOUT WINCH		8736573	REAR SPRINGS, TWO		7368629
			TORQUE ROD ASSY., SIX		8757685
CURB WEIGHT: FULLY EQUIPPED,			TIE DOWNS: TOTAL 14		11647735
LESS PAYLOAD AND CREW W/O/W		W/W	LOCATIONS, 7 EACH SIDE, 2 FRONT, 2 REAR		
FRONT AXLE	6510	7140	SHACKLE: FOUR, TWO FRONT, TWO REAR		7539662
REAR BOGIE	8380	8270			
TOTAL LBS	14890	15410	WHEELS: TYPE-STEEL DISC		7389621
PAYLOAD:			SIZE: 20 X 7-1/2 6-1/4 OFFSET		
LOADED	5000 LBS	5000 LBS	FRONT-SINGLE, REAR-DUAL		
GROSS WEIGHT: FULLY EQUIPPED, **PLUS			TIRES: 10 PLUS 1 SPARE		
PAYLOAD LESS CREW **ADD 400 LBS, FOR			SIZE: 9.00 X 20, 8 PLY		
2 MAN CREW W/EQUIPMENT			MIL-T-46729, OR STYLE A, MIL-T-12459		
FRONT AXLE	6745	7375	TUBES:	22-1-550	
REAR BOGIE	13145	13035			
TOTAL LBS	19890	20410			

© ENTIRE STANDARD REVISED

MS PART NO.	ENGINEERING DRAWING NO.	DESCRIPTION
MS 500080 -1	8736593	WITH WINCH
MS 500080 -2	8736592	LESS WINCH

P. A. ARMY-AT Other Cust	INTERNATIONAL INTEREST	TITLE TRUCK, CARGO: MILITARY MODEL M36A2 2-1/2 TON, 6x6, 190 INCH WHEELBASE, MULTIFUEL ENGINE	MILITARY STANDARD <b>MS500080(AT)</b>
PROCUREMENT SPECIFICATION MIL-T-46780	SUPERSEDES:	SHEET 1 OF 2	

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**TRANSMISSION ASSY:** W/W 10872194  
WO/W 10872096  
TYPE: SYCROMESH  
FORWARD SPEEDS: 5, REVERSE: 1  
GEAR RATIOS: FORWARD, 5.02:1, 2.78:1, 1.62:1, .79:1  
GEAR RATIO: REVERSE, 4.90:1

**TRANSFER CASE:** 10937636

**TOWED LOAD ALLOWANCE:**  
LOADED 6000 LBS 6000 LBS

**FORDING DEPTH:** W/KIT WO/KIT  
72 IN. 30 IN.

**SHIPPING DIMENSIONS:** WO/W W/W  
CU. FT. 1483 1544  
SQ. FT. 219 229

**BODY ASSY:**  
CARGO BODY INST'N 8757819  
CARGO BODY 8757820

**GENERAL:**  
THIS VEHICLE IS USED TO TRANSPORT GENERAL CARGO OR PERSONNEL. THE CAB IS CANVAS COVERED, OPEN TYPE. THE BODY IS 17-1/2 FT. (210 X 88 IN. IN-SIDE) FLAT BED TYPE; STEEL CONSTRUCTION. SIDES AND TARPULIN FRAMES ARE REMOVABLE, 14 INCH SIDES, WITH RIGHT SIDE HINGED LONGITUDINALLY BELOW FLOOR. 16 INCH TAILGATE, 72 INCH FLOOR TO UNDERSIDE OF BOWS. COMPLETE WITH SIDE RACKS AND TARPS, TROOP SEATS NOT FURNISHED.

**BODY CARGO SPACE:** 851 CU. FT.  
BODY INCLUDES SEVEN TOP BOWS WITH TARPULINS AND END FLAPS. STEP ON TAILGATE FOR EASE OF ENTRANCE. FOUR AMBER REFLECTORS, TWO ON FRONT, ONE EACH SIDE FORWARD. FOUR RED REFLECTORS, TWO ON REAR, ONE EACH SIDE REARWARD.

**ENGINE:** MODEL LDT-465-1C 11642105  
W/CLUTCH 11642117  
TYPE: 6 CYL. IN LINE, COMPRESSION  
IGNITION DISPLACEMENT: 478 CU. IN.  
BORE & STROKE, 4.56 X 4.88 COMPRESSION RATIO: 22:1 FUEL: MULTIFUEL FUEL CAPACITY: 50 GALS GOV SPEED: 2600 RPM HORSEPOWER: GROSS 130 @ 2600 RPM NET 113 @ 2600 RPM

**TORQUE:** GROSS 305 LB. FT. @ 1500 RPM  
NET 297 LB. FT. @ 1500 RPM

**CLUTCH PEDAL:** INST'N 8757745  
CLUTCH DRIVEN MEMBER ASSY 11668332  
CLUTCH ASSY 11601174  
CLUTCH PRESSURE PLATE ASSY 11677768

**FRAME ASSY: CHASSIS** 11609287-1

**TRANSFER TRANS:** 11609224  
GEAR RATIOS: HIGH 1:1  
LOW 1.98:1

**FRONT SUSPENSION:** INST'N 10872040  
FRONT AXLE 7521734-1  
FRONT SPRINGS, TWO 11601335  
SHOCK ABSORBERS, TWO 7539007

**CAB ASSY: SOFT TOP** 10896757  
STEERING INST'N 10897162  
INSTRUMENT PANEL INST'N 10937450  
TACHOMETER INST'N 10896303  
SPEEDOMETER INST'N 10937442  
THROTTLE LINKAGE INST'N 10896671-1

**AIR CLEANER:** INST'N 10896886-1

**FUEL SYSTEM:** INST'N 10897080

**EXHAUST SYSTEM:** INST'N 11677097

**WINCH:** INST'N 10872197  
WINCH, 10000 #CAPACITY 7538687

**PINTLE:** 10000 #CAPACITY INST'N 11609483  
PINTLE 7722050-1

**BRAKES:**  
AIR INST'N 11647739  
HYDRAULIC INST'N 10937705-2  
HAND BRAKE INST'N 11609817

**ELECTRICAL SYSTEM:** INST'N 10896899  
POTENTIAL, 24 VOLT  
STARTING MOTOR 10911018  
ALTERNATOR: 60 AMPS 10929868  
BATTERIES, 12 VOLT, 6 TN, TWO MS35002-4  
TURN SIGNAL, REGULATOR 11613631  
LIGHTING, HEADLAMPS 8741462  
DRIVING LAMP, BLACKOUT 11668932  
TRAILER COUPLING SOCKET 8376209  
COMPOSITE LIGHT, FRONT 11614156  
COMPOSITE LIGHT, TAIL 11614157

**PERFORMANCE:**  
AT GROSS WEIGHT W/O TOWED LOAD W/TOWED LOAD  
MAXIMUM SPEED 56 MPH 45 MPH  
MAXIMUM GRADE 60% 45%  
CRUISING RANGE 300 MILES 275 MILES  
W/DIESEL FUEL

**ADDITIONAL EQUIPMENT AVAILABLE:**  
FORDING KIT 10937874-2  
CLOSURE ASSY., HARD TOP 7085350  
ARCTIC HEATER KIT, PERSONNEL 10896388  
A FRAME KIT, DERRICK 8390117  
AIR BRAKE KIT 10937003  
SLAVE RECEPTACLE KIT 10896518

**REAR SUSPENSION:** 8757834

## NOTES:

1. DIMENSIONS ARE IN INCHES AND ARE SHOWN FOR ENGINEERING REFERENCE ONLY.
2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
3. THIS VEHICLE SHALL BE IN ACCORDANCE WITH REFERENCED ENGINEERING DRAWINGS, COPIES WHICH MAY BE OBTAINED FROM: US ARMY TANK-AUTOMOTIVE COMMAND, WARREN, MICH. 48090.
4. SUBJECT OF NATO STANAG 2805-(EDITION 3). DO NOT REVISE OR CHANGE.

(C) ENTIRE STANDARD REVISED

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APPROVED 4 MAY 1967 REVISED (C) 6 MAY 85

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PROCUREMENT SPECIFICATION MIL-T-46780		SUPERSEDES:	SHEET 2 OF 2