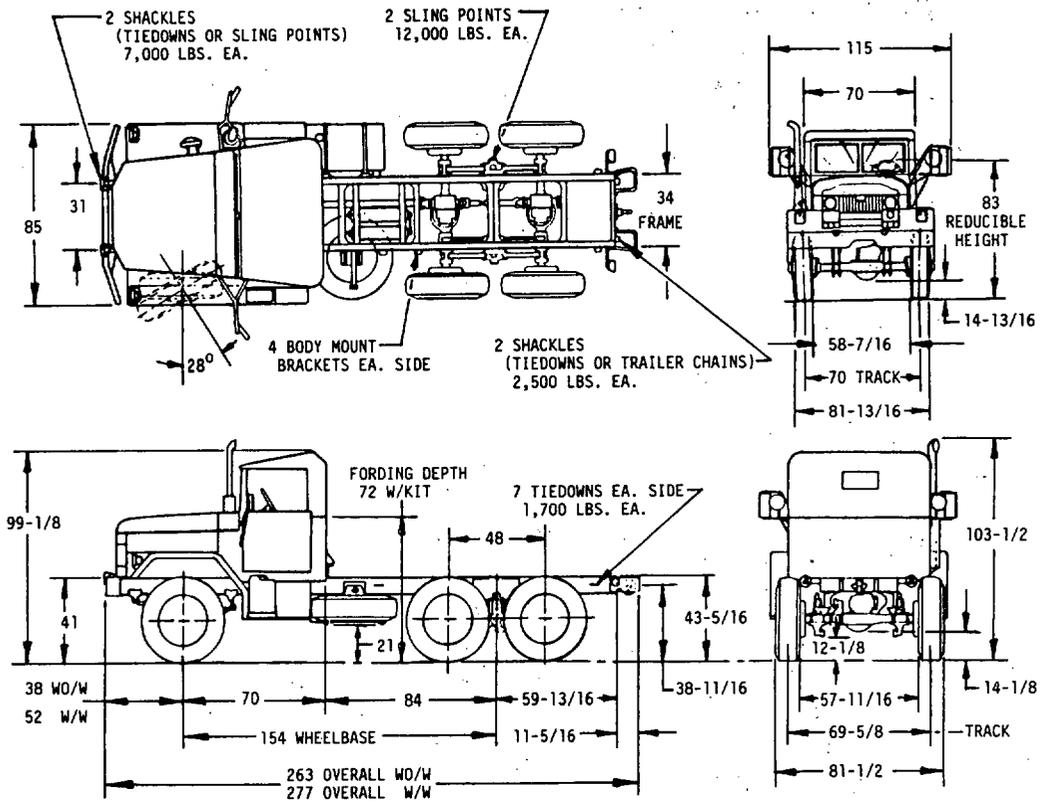


FED. SUP CLASS  
2320



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-AUTOMOTIVE COMMAND, WARREN, MICH. 48090.

© ENTIRE STANDARD REVISED

MS PART NO.	ENGINEERING DRAWING NO.	DESCRIPTION
MS500095-1	8736576	WITH WINCH
MS500095-2	8736594	LESS WINCH

P.A. ARMY-AT Other Cust	INTERNATIONAL INTEREST	TITLE <b>TRUCK, CHASSIS, 2-1/2 TON, 6x6, M44A2</b>	<b>MILITARY STANDARD MS500095(AT)</b>
PROCUREMENT SPECIFICATION MIL-T-46780	SUPERSEDES:	SHEET 1 OF 2	

DD FORM 1 MAY 73 672-1 LIMITED COORDINATION

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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.

APPROVED 12 JUNE 1968 REVISED C 14 JUN 85

FED. SUP CLASS  
2320

VEHICLE CHARACTERISTICS

**CURB WEIGHT FULLY EQUIPPED LESS PAYLOAD AND CREW:**  
 FRONT 6,325 LBS 6,980 LBS  
 REAR 4,900 LBS 4,765 LBS  
 TOTAL 11,225 LBS 11,745 LBS

**AXLES:** FRONT; 7521734-1  
 REAR; 7521727  
 QTY 2, TYPE SINGLE SPEED, DOUBLE REDUCTION  
 RATIO 6.72:1, LUBRICANT CAPACITY 6 QTS EACH

**PAYLOAD:** (MAX INCLUDING BODY) 8,000 LBS 8,000 LBS  
**TOWED LOAD ALLOWANCE:** 6,000 LBS 6,000 LBS

**FRAME:** 11609279  
 TYPE RAIL CHANNEL SIDE RAIL DIMENSIONS  
 8 X 3 X 5/16 SECTION MODULUS 8.9 IN<sup>3</sup>  
 NO. OF CROSSMEMBERS 7

**SHIPPING DIMENSIONS:**  
 CUBIC FEET 1,074 1,131  
 SQUARE FEET 156 164

**FRONT SPRINGS:** 11601335  
 2-1/2 WIDE 48 LONG; NO OF LEAVES 12; RATE  
 1,100 LB/IN; TYPE SEMI-ELLIPTICAL;  
 SHOCK ABSORBERS DIRECT ACTING, QTY 2.

**ANGLE OF APPROACH:** (LOADED) 48° 40°

**REAR SPRINGS:** 7521792  
 SIZE 2-1/2 WIDE X 48 LONG NO OF LEAVES  
 10, RATE 2,405 LB/IN; TYPE SEMI-ELLIPTICAL  
 INVERTED

**ANGLE OF DEPARTURE:** (LOADED) 40° 40°

**ANGLE OF BREAKOVER:** (LOADED) 37° 37°

**TIRES W/FLAP AND TUBE:** MIL-T-12459  
 SIZE 11.00 X 20 LOAD RATING RATING F  
 TREAD DESIGN NDCC NO OF SPARES 1  
 TUBE ZZ-1-550

**MINIMUM TURNING RADIUS:** (WALL TO WALL) 444 450

**WHEELS:** TYPE STEEL DISC, 7389617  
 SIZE 20 DIA X 7-1/2 WIDE RING 7389061  
 FRONT SINGLE, REAR SINGLE OFFSET 5-1/8

**FORDING DEPTH:** WITH KIT 72 LESS KIT 30

**ENGINE:**  
 6 CYL IN-LINE 11642105  
 COMPRESSION IGNITION FUEL INJECTION  
 DISPLACEMENT 478 CU IN  
 BORE AND STROKE 4.56 X 4.88  
 COMPRESSION RATIO 22:1  
 FUEL MULTIFUEL  
 HORSEPOWER; GROSS 130 @ 2600 RPM  
 NET 118 @ 2600 RPM  
 TORQUE GROSS; 305 LB FT @ 1500 RPM  
 NET 297 LB FT @ 1500 RPM  
 CRANK CASE CAPACITY; W/O FILTER 20  
 QTS W/FILTER 22 QTS  
 GOVERNOR; TYPE AUTOMATIC  
 COOLING SYSTEM CAPACITY; 32 QTS  
 PUMP TYPE DRIVE 2 V BELTS  
 GOVERNED SPEED; 2600 RPM AT FULL LOAD

**BRAKES:** SERVICE, TYPE AIR ASSISTED  
 HYDRAULIC, INTERNAL EXPANDING DRUM  
 SIZE 15 X 3, EFFECTIVE AREA  
 FRONT 190 SQ IN REAR 380 SQ IN

**FUEL SYSTEM:** FUEL TANK CAPACITY - 50  
 GALS FUEL PUMP, IN TANK; FUEL INJECTION.  
 INJECTION PUMP 10935264-2

**ELECTRICAL SYSTEM:** WATERPROOFED, RADIO  
 SUPPRESSED PER MIL-STD-461.  
 POTENTIAL 24 V STARTING MTR MS53011-2  
 ALTERNATOR 10929868  
 RATING 60 AMP; DRIVE 2 V BELTS  
 BATTERIES; QTY 2 TYPE 12V 6TN MS35000-4  
 TRAILER COUPLING SOCKET 8376209  
 TURN SIGNAL; SOLID STATE FLASHER 11613631  
 CONTROL 11613632  
 LIGHTING; HEADLAMPS 8741462  
 B.O. DRIVING LAMP 11668932  
 COMPOSITE LAMPS; FRONT 11614156  
 REAR 11614157

**CLUTCH:** TYPE SINGLE DRY DISC DIA 12-15/16  
 EFFECTIVE AREA 38 SQ IN  
 PRESSURE PLATE 11601174  
 OPTIONAL 11621375  
 DRIVEN MEMBER 11668332

**PERFORMANCE:** APPROX 6 MILES PER GALLON  
 300 MILES CRUISING RANGE GRADEABILITY;  
 WITH GVW OF 20,145 LBS  
 1ST 60% MAXIMUM SPEED 56 MPH AT ENGINE  
 GOVERNED SPEED 2600 RPM  
 W/DIESEL FUEL, TYPE VV-F-800

**TRANSMISSION:** MANUAL W/O/W 10872096  
 W/W 10872194  
 NO OF SPEEDS - 5 FWD, 1 REV; RATIOS;  
 1ST - 5.02:1; 2ND - 2.78:1, 3RD -  
 1.62:1, 4TH - 1:1, 5TH .79:1, REV  
 4.90:1, PTO OPENING 1, SAE 6 BOLT  
 LEFT SIDE OF TRANSMISSION LUBRICANT  
 CAPACITY W/PTO 5-1/4 QTS; W/O/PTO  
 4-1/4 QTS.

**CAB:** TYPE STD CANVAS; ARCTIC HARDTOP  
 KIT; CAPACITY 2.

**TRANSFER CASE:** W/O/PTO 11609224  
 NO OF SPEEDS 2; RATIOS: HIGH 1:1,  
 LOW 1.98:1 CONTROL OF FRONT AXLE  
 DRIVE, AIR ACTUATED, MANUAL ENGAGE-  
 MENT LUBRICANT CAPACITY 7 QTS.

**WINCH:** 7538687  
 CAPACITY 6,100 LBS  
 WIRE ROPE CABLE 1/2 IN DIA CABLE LENGTH  
 200 FT

**PINTLE:** 7722050-1  
 MAX VERTICAL LOAD (STATIC) 600 LBS

**STEERING:** 10897162  
 TYPE CAM & TWIN LEVER W/POWER ASSIST  
 RATIOS: 23.4:1, 19.5:1, 23.4:1

**BRAKES:** PARKING TYPE INTERNAL/EXTERNAL  
 DRUM SIZE 14 O.D. 13-7/16 ID X 3 WIDE  
 EFFECTIVE AREA 64 SQ IN

**TIEDOWNS:** 14 U-BOLTS, 7 EACH SIDE 11647735  
 2 FRONT LIFTING SHACKLES 12301040  
 2 REAR SHACKLES 7539662

**ACCESSORY/SUPPLEMENTAL KITS:** 12300812

**ON-VEHICLE EQUIPMENT:** (OVE)  
 BASIC ISSUE ITEMS 12300877  
 ADDITIONAL AUTHORIZED LIST ITEMS 12300998

© ENTIRE STANDARD REVISED

MS PART NO.	ENGINEERING DRAWING NO.	DESCRIPTION
MS500095-1	8736576	WITH WINCH
MS500095-2	8736594	LESS WINCH

P. A. ARMY-AT Other Cust	INTERNATIONAL INTEREST	TITLE <b>TRUCK, CHASSIS, 2-1/2 TON, 6x6, M44A2</b>	MILITARY STANDARD <b>MS500095(AT)</b>
PROCUREMENT SPECIFICATION <b>MIL-T-46780</b>	SUPERSEDES:	SHEET <b>2</b> OF <b>2</b>	

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.

REVISED (C) 14 JUN 85  
APPROVED 12 JUNE 1968