

FED. SUP CLASS  
2320

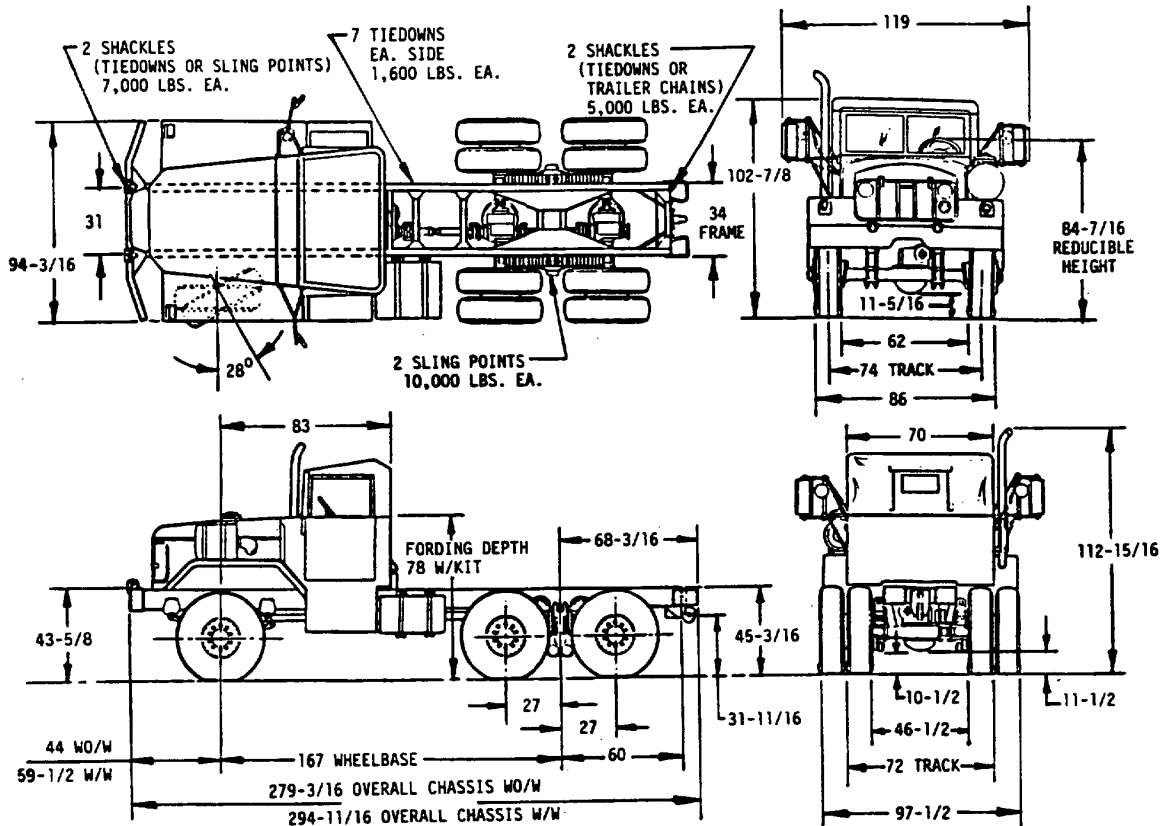
USER ACTIVITIES:

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.

AMSC N/A

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



**(A) INACTIVE FOR NEW DESIGN AFTER 7 FEBRUARY 1989.**  
**FOR NEW DESIGN USE MS52308(AT).**

## 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 OF WHICH MAY BE OBTAINED FROM: US ARMY TANK-AUTOMOTIVE COMMAND, WARREN, MICH. 48397-5000.

MS PART NO.	ENGINEERING DRAWING	DESCRIPTION
MS52175-1	8736859	WITH WINCH
MS52175-2	8736858	LESS WINCH

P. A. ARMY-AT Other Cust	INTERNATIONAL INTEREST	TITLE <b>CHASSIS, TRUCK: 5 TON, 6x6, M810.</b>	<b>MILITARY STANDARD MS52175(AT)</b>
PROCUREMENT SPECIFICATION <b>MIL-T-740</b>	SUPERSEDES:	SHEET <b>1</b> OF <b>2</b>	

DD FORM 672-1 LIMITED COORDINATION

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2320-A397

APPROVED 3 MAY 85 REVISED 7 FEB 1989

FED. SUP CLASS  
2320

## VEHICLE CHARACTERISTICS

CURB WEIGHT: FULLY WO/W W/W  
EQUIPPED LESS PAYLOAD AND CREW  
FRONT 9,175 LBS 9,965 LBS  
REAR 9,280 LBS 9,155 LBS  
TOTAL 18,455 LBS 19,120 LBS

PAYLOAD: (MAX INCLUDING BODY)  
14,600 LBS 14,600 LBS

TOWED LOAD ALLOWANCE:  
15,000 LBS 15,000 LBS

SHIPPING DIMENSIONS:  
CUBIC FEET 1345 1420  
SQUARE FEET 189 200

ANGLE OF APPROACH: (LOADED)  
43° 32°

ANGLE OF DEPARTURE: (LOADED)  
43° 43°

ANGLE OF BREAKOVER (LOADED)  
38° 38°

MINIMUM TURNING RADIUS: (WALL TO WALL)  
39-3/16 40-11/16

FORDING DEPTH: WITH KIT 78 LESS KIT 30

ENGINE:  
6 CYL IN-LINE 11664325-1  
COMPRESSION IGNITION FUEL INJECTION  
DISPLACEMENT 855 CU IN  
BORE AND STROKE 5.5 X 6  
COMPRESSION RATIO 15.8:1 FUEL DIESEL  
OCTANE/CETANE #40  
HORSEPOWER: GROSS 240 @ 2100 RPM  
NET 210 @ 2100 RPM  
TORQUE GROSS: 658 LB FT @ 1500 RPM  
NET 600 LB FT @ 1500 RPM  
CRANK CASE CAPACITY: W/O FILTER 24 QTS  
W/FILTER 28 QTS  
GOVERNOR: TYPE AUTOMATIC  
COOLING SYSTEM CAPACITY: 37-1/2 QTS  
PUMP TYPE DRIVE 2 V BELTS  
GOVERNED SPEED: 2100 RPM AT FULL LOAD

FUEL SYSTEM: FUEL TANK CAPACITY - 2 TANKS  
@ 55 GALS EA; FUEL PUMP, IN TANK; FUEL  
INJECTION.

CLUTCH: TYPE SINGLE DRY DISC DIA 15  
EFFECTIVE AREA 70.2 SQ IN  
PRESSURE PLATE 8735507  
DRIVEN MEMBER 11664387

TRANSMISSION: MANUAL 8333627-1  
NO OF SPEEDS - 5 FWD, 1 REV; RATIOS:  
1ST - 6.07; 2ND - 3.40; 3RD - 1.79;  
4TH - 1.00; 5TH - .78; REV. - 6.09  
PTO OPENINGS 2 SAE 6 BOLT, EACH SIDE  
OF TRANSMISSION. LUBRICANT CAPACITY:  
W/PTO 11 QTS; W/O PTO 9 QTS.

TRANSFER CASE: W/O PTO 7748580  
NO. OF SPEEDS 2 FRONT; HIGH - 1.07:1  
LOW - 2.16:1; REAR; HIGH - 1.00:1,  
LOW - 2.02:1 CONTROL OF FRONT AXLE  
DRIVE, AUTOMATIC OVERRUNNING, LUB-  
RICANT CAPACITY 7 QTS ONE PTO OPENING.

PINTLE: MS51117-1  
MAX. VERTICAL LOAD (STATIC) 1,500 LBS

BRAKES: PARKING TYPE INTERNAL/EXTERNAL  
DRUM SIZE 14 DIA X 3 WIDE  
EFFECTIVE AREA 68 SQ IN

AXLES: FRONT: 11664273  
REAR: 8758346  
QTY 2, TYPE SINGLE SPEED, DOUBLE REDUC-  
TION RATIO 6.443:1, LUBRICANT CAPACITY:  
12 QTS EACH

FRAME: 11664497  
TYPE RAIL CHANNEL SIDE RAIL DIMENSIONS  
9 X 3 X 5/16 SECTION MODULUS 10.71 CU IN  
NO. OF CROSSMEMBERS 6

FRONT SPRINGS: 7411110  
3 WIDE X 50 LONG; NO OF LEAVES 12; RATE  
2,271 LB/IN; TYPE SEMI-ELLIPTICAL;  
SHOCK ABSORBERS DIRECT ACTING, QTY 2.

REAR SPRINGS: 7409613  
SIZE 4 WIDE X 59-1/4 LONG NO. OF LEAVES  
6, RATE 5,983 LB/IN; TYPE BEAM OVER SEMI-  
ELLIPTICAL LEAF, QTY 2.

TIRES W/FLAP AND TUBE: MIL-T-12459  
SIZE 11.00 X 20 LOAD RATING F  
TREAD DESIGN MOCC NO. OF SPARES 1  
TUBE 22-1-550

WHEELS: TYPE STEEL DISC, 7388820  
SIZE 20 DIA X 7-1/2 WIDE RING 7389061  
FRONT SINGLE, REAR DUAL, OFFSET 6-3/4

BRAKES: SERVICE, TYPE AIR ASSISTED  
HYDRAULIC, INTERNAL EXPANDING DRUM  
SIZE 16-1/2 X 5-1/2, EFFECTIVE AREA  
FRONT 339 SQ IN REAR 678 SQ IN

ELECTRICAL SYSTEM: WATERPROOFED, RADIO  
SUPPRESSED PER MIL-STD-461.  
POTENTIAL 24 V STARTING MTR MS53011-1  
ALTERNATOR 10929868  
RATING 60 AMP; DRIVE 2 V BELTS  
BATTERIES: QTY 4 TYPE 12V 6TH MS35000-3  
TRAILER COUPLING SOCKET 7363002  
TURN SIGNAL: SOLID STATE FLASHER

CONTROL 11613631  
LIGHTING: HEADLAMPS 8741462  
B.O. DRIVING LAMP 8747988  
COMPOSITE LAMPS: FRONT 11614156  
REAR 11614157

PERFORMANCE: APPROX 4.4 MILES PER GALLON  
475 MILES CRUISING RANGE GRADEABILITY:  
WITH GVW OF 34,120 LBS 4TH GEAR 3.42  
1ST 60 % MAXIMUM SPEED 52 MPH AT ENGINE  
GOVERNED SPEED 2100 RPM  
W/DIESEL FUEL, TYPE VV-F-800

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

WINCH: CAPACITY 9,500 LBS 7412382  
WIRE ROPE CABLE 0.6 IN DIA CABLE LENGTH  
200 FT

STEERING: TYPE HYD W/POWER ASSIST;  
RATIO 23.4:1 11664535

TIEDOWNS: 16 W/W, 8 EACH SIDE 10883223  
14 W/W 7 EACH SIDE;  
2 FRONT LIFTING SHACKLES 12301040  
2 REAR SHACKLES 7409523

ACCESSORY/SUPPLEMENTAL KITS: 12300925

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

MS PART NO.	ENGINEERING DRAWING	DESCRIPTION
MS52175-1	8736859	WITH WINCH
MS52175-2	8736858	LESS WINCH

P. A. ARMY-AT	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cust		CHASSIS, TRUCK: 5 TON, 6x6, M810.	MS52175(AT)
PROCUREMENT SPECIFICATION MIL-T-740	SUPERSEDES:		SHEET 2 OF 2

DD FORM 672-1 LIMITED COORDINATION

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2320-A397

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.  
AMSC N/A

INACTIVE FOR NEW DESIGN AFTER 7 FEBRUARY 1989.  
FOR NEW DESIGN USE MS52308(AT).

APPROVED 1 MAY 85 REVISED (A) 7 FEB 1989