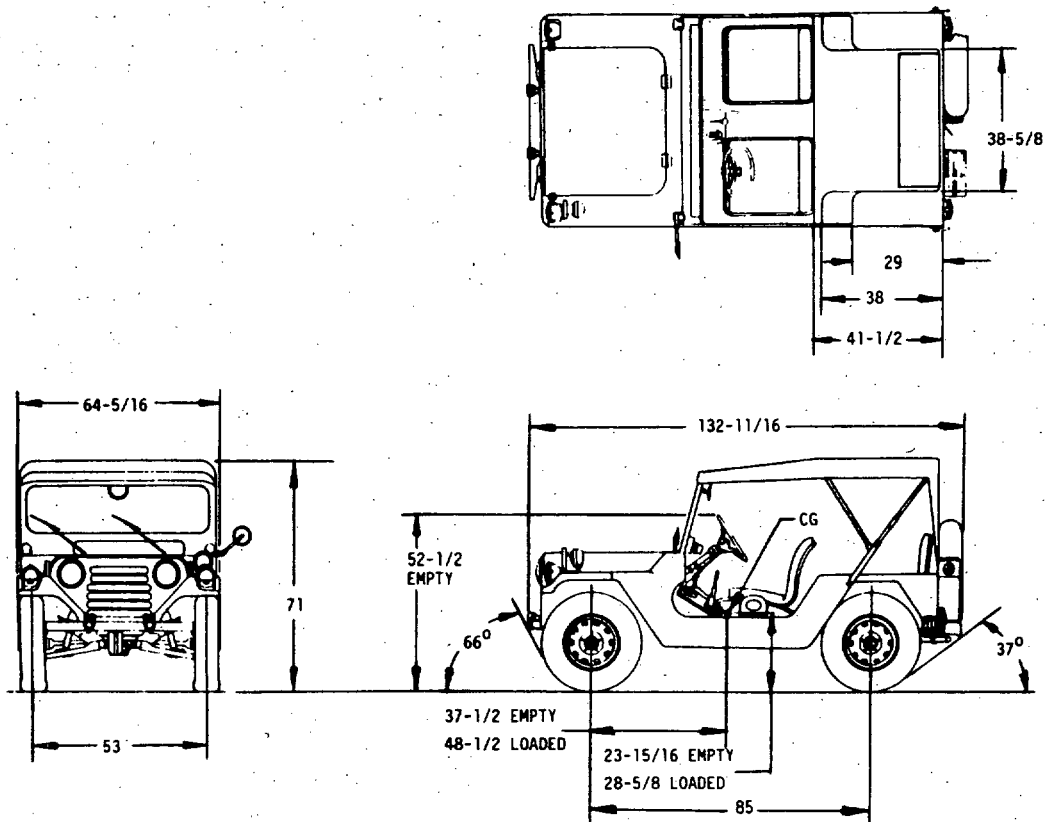


FED. SUP CLASS
2320

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 TANK-AUTOMOTIVE COMMAND, WARREN, MICH. 48090.

MS PART NO.	ENGINEERING DRAWING NO.	DESCRIPTION
MS 52165 -1	8736905	LESS WINCH

P.A. ARMY - AT Other Cust	TITLE TRUCK, UTILITY, 1/4 TON 4 x 4, M151A2	MILITARY STANDARD MS52165(AT)
PROCUREMENT SPECIFICATION MIL-T-49331	SUPERSEDES:	SHEET 1 OF 2

DD FORM 672-1 LIMITED COORDINATION

APPROVED 18 MAY 85 REVISED

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VEHICLE CHARACTERISTICS

FED. SUP CLASS
2320

WEIGHT, CURB FULLY EQUIPPED, LESS PAYLOAD
AND PERSONNEL:
FRONT AXLE 1362 LBS
REAR AXLE 1078 LBS
TOTAL 2440 LBS
NOTE: ADD 400 LBS FOR TWO MAN CREW

GROSS LOAD, LOADED: 800 LBS

TOWED LOAD ALLOWANCE, LOADED: 1070 LBS

SHIPPING DIMENSIONS:
CU. FT. 350.0 REDUCIBLE TO 260.0
SQ. FT. 59.0
LENGTH 132-11/16 IN.
WIDTH 64-5/16 IN.
HEIGHT 71 IN. REDUCIBLE TO 52-1/2 IN.

CENTER OF GRAVITY (AT CURB WEIGHT):
ABOVE GROUND - 23-15/16 IN.
REAR OF CENTERLINE OF FRONT AXLE - 37-1/2 IN.

CENTER OF GRAVITY (W/PAYLOAD):
ABOVE GROUND - 25-5/8 IN.
REAR OF CENTERLINE OF FRONT AXLE - 48-1/2 IN.

TREAD; FRONT 53 IN., REAR 53 IN.

CAB TO REAR AXLE N.A.: 20-7/16 IN.

MINIMUM GROUND CLEARANCE: REAR AXLE
11-3/8 IN. UNDER CHASSIS 9-7/16 IN. **
*AT FULL PAYLOAD WEIGHT **AT REAR SHOCK
BRACKET

ANGLE OF APPROACH: 66°

ANGLE OF DEPARTURE: 37°

RAMP BREAKOVER ANGLE: 43°

MINIMUM TURNING DIA: LEFT 38-1/2 FT.
(WALL TO WALL) RIGHT 38-1/2 FT.
*OUTERMOST POINT - FRONT FENDER

FORDING DEPTH: WITH KIT 60 IN.
LESS KIT 21 IN.

ENGINE: TYPE-GASOLINE, LIQUID COOLED OHV;
DISPLACEMENT - 141.5 CU. IN., BORE AND
STROKE - 3-7/8 X 3.00; COMPRESSION RATIO-
7.5:1; FUEL - REGULAR GRADE, 91 RON MIN-
IMUM (RESEARCH OCTANE NUMBER); LUBRICATION
- WET SUMP; CRANKCASE CAP. - 5 QTS. DRY -
4 QTS. REFILL; GOVERNOR- NONE, COOLING SYS-
TEM CAP. - 9 QTS. PUMP DRIVE V-BELT. (PRE-
EMISSION) 11660425
HORSEPOWER - MAX. GROSS 71 @ 4000 RPM;
MAX. NET 61 @ 3600 RPM.
TORQUE MAX. GROSS 128 LB-FT @ 1800 RPM;
MAX. NET 119 LB-FT @ 1700 RPM.

-73/74 EMISSION ENGINE 11613729
HORSEPOWER - MAX. GROSS 65 @ 4000 RPM;
MAX. NET 55 @ 3600 RPM.
TORQUE MAX. GROSS 113 LB-FT @ 1800 RPM;
MAX. NET 104 LB-FT @ 2000 RPM.

STEERING: 11639799
TYPE - WORM & DOUBLE ROLLER;
RATIO - 16.4 TO 1; POWER ASSIST - NONE.

ELECTRICAL SYSTEM: WATERPROOF - YES; RADIO
SUPPRESSED PER MIL-STD-461; POTENTIAL -
24 VOLT; STARTING MOTOR - 7017646
ALTERNATOR 10929868
RATING - 60 AMPERES; DRIVE - V-BELT;
BATTERY - MS35000-1;
TYPE -2HN; QUANTITY - 2; COIL 11663066

PINTLE HOOK: CAPACITY 8380198 2000 LBS

ACCESSORY KITS: 12302575

BASIC ISSUE ITEMS DRAWING NO. 12300877-5

SERVICE BRAKES: TYPE - DUO-SERVO SINGLE
ANCHOR; DRUM SIZE - 9-1/8 X 2 IN. FRONT
& REAR; EFFECTIVE AREA - 115 SQ. IN. FRONT
& REAR; ACTUATION - HYDRAULIC; SINGLE BRAKE
LINES; 60% FRONT - 40% REAR.

PERFORMANCE: MI. PER GAL - 19.1 WITH 800
LB PAYLOAD SPEED - 56 MPH; GRADEABILITY -
4TH GEAR 6.5% FOR GVW OF 3240 LBS
1ST GEAR 60% FOR GVW AT 3240 LBS
CRUISING RANGE 300 MI

WINCH: NONE

TIEDOWNS: NO. -4; LOCATION - 2 @ FRONT
BUMPER; 2 @ REAR SILL.

FUEL SYSTEM: CARBURETOR (EMISSION CARB.)
11681709
TYPE - SIDE DRAFT; FUEL PUMP - 11640994
TYPE - MECHANICAL; FUEL CAPACITY
15.8 GALS

CLUTCH: 11669136
TYPE - SINGLE DRY DISC.; DIA. - 8-7/16 IN.
EFFECTIVE AREA - 68.11 SQ. IN.

TRANSMISSION: 7536199
NO OF SPEEDS -4 FWD. & 1 REV.; RATIOS -
1ST 5.172, 2ND 3.179 3RD 1.674 4TH 1.0,
REV. 7.497; PTO OPENINGS - NONE; LUBRICANT
CAPACITY - 5.5 PTS. INCLUDING TRANSFER CASE.

TRANSFER CASE: 10885542
(INTEGRAL WITH TRANSMISSION): SINGLE SPEED
RATIO - 1:1, CONTROL OF FRONT AXLE DRIVE
SPLINED COLLAR WITH SPRING LOADED FORK;
LUBRICANT CAPACITY - (SEE TRANSMISSION) PTS.

FRONT & REAR DIFFERENTIAL: 7536140
TYPE - SUSPENDED CARRIER WITH CARDAN
JOINTS; RATIO - 4.86:1 LUBRICANT CAPACITY-
1 QT.

FRAME: TYPE - UNIT BODY & FRAME; NO OF
CROSSMEMBERS - 4; SECTION MODULUS -
VARIABLE; DIMENSIONS - MAIN RAIL 7-7/8 X
1-3/4 X 1/16 IN.; REINFORCED - YES.

FRONT SUSPENSION: TYPE - COIL SPRING;
5/8 WIRE; 4 IN DIA., 11 IN. FREE LENGTH;
NO. COILS - 8; RATE - 513 ± 16 LB/IN.;
SHOCK ABSORBERS - TELESCOPIC.

REAR SUSPENSION: TYPE - COIL SPRING; 9/16
WIRE; 3-13/16 IN. DIA., 12-7/8 IN. FREE LENGTH
NO. COILS - 9-1/8; RATE - 337 ± 15 LB IN.;
SHOCK ABSORBERS - TELESCOPIC.

WHEELS: 10921860
TYPE - DROP CENTER; DIA. - 16 IN.; BEAD -
LOCK - HUMP TYPE; SINGLE REAR - YES; RIM
SIZE - 5-1/2 IN.

TIRES: TYPE - LIGHT TRUCK; SIZE - 7.00 X
16; PLY - 4 (6 PLY RATING); LOAD RANGE C;
TREAD - NON-DIRECTIONAL, CROSS COUNTRY;
NO. SPARES - 1.

PARKING BRAKES: 8754237
TYPE - EXTERNAL BAND ON TRANSMISSION OUT-
PUT SHAFT; DRUM SIZE - 6 IN. DIA. X 1 IN.
WIDE; EFFECTIVE AREA - 15.6 SQ. IN.

LIGHTING: HEADLAMPS - 8741462
B.O. DRIVING LAMP - 8747988
TRAILER COUPLING SOCKET - 8712356
COMPOSITE LIGHT, FRONT - 11614156
COMPOSITE LIGHT, TAIL - 11614157
TURN SIGNALS, FLASHER TYPE; CONTROL UNIT
11613532
11613631
FLASHER

OVE DRAWING NO. 12300998-4

MS PART NO.	ENGINEERING DRAWING NO.
MS 52165-1	8736905

P.A. ARMY-AT Other Cust	TITLE TRUCK, UTILITY, 1/4 TON 4 x 4, M151A2	MILITARY STANDARD
PROCUREMENT SPECIFICATION MIL-T-45331	SUPERSEDES:	MS52165(AT)
		SHEET 2 OF 2

DD FORM 672-1 LIMITED COORDINATION
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