



(B) DENOTES CHANGES

MS PART NO.	REFERENCED DRAWING
MS 500041-1	8358639

<b>P.A. ARMY-AT</b> <b>Other Cust</b> <b>AF- 99</b>	<b>TITLE</b> <b>TRUCK TRACTOR, WRECKER,</b> <b>5 TON, 6X6, M246</b>	<b>MILITARY STANDARD</b>
		<b>MS 500041</b>
<b>PROCUREMENT SPECIFICATION</b> <b>MIL-T-740</b>	<b>SUPERSEDES:</b>	<b>SHEET 1 OF 2</b>

APPROVED 11 APRIL 1966 REVISED (A) 27 MARCH 1974 (B) 23 JANUARY 1981

FED. SUP CLASS  
2320**VEHICLE CHARACTERISTICS****MODEL:** M246 **CHASSIS:** M63C**CHASSIS:** P/N 8358814 W/W MS51397-1**CURB WEIGHT:** FULLY EQUIPPED, LESS PAYLOAD AND PERSONNEL.

	W/WINCH
FRONT AXLE	12785
REAR AXLE	20045
TOTAL	32830 LBS.

**GROSS WEIGHT:** FULLY EQUIPPED, PLUS PAYLOAD AND PERSONNEL.

	W/WINCH
FRONT AXLE	13026
INTER AXLE	18077
REAR AXLE	18077
TOTAL	49180 LBS.

**PAYLOAD:** AT FIFTH WHEEL

LIMITED CROSS COUNTRY	12000 LBS.
HIGHWAY	16000 LBS.

**TOWED LOAD ALLOWANCE:**

LIMITED CROSS COUNTRY	37500 LBS.
HIGHWAY	46000 LBS.

(REFERENCED WEIGHTS ARE FOR INFORMATION ONLY)

**SHIPPING DIMENSIONS:**

	W/WINCH
CU. FT.	2628
SQ. FT.	239

**CAB ASSEMBLY:** INST'N. DWG. NO. 10883228**FIFTH WHEEL ASSEMBLY:** P/N, MS53033

- (B) **GENERAL:** THE M246 TRUCK, TRACTOR, WRECKER, MOUNTED ON THE M63C CHASSIS, IS EQUIPPED WITH A HYDRAULIC POWERED, 3 POSITION, EXTENDABLE BOOM MOUNTED ON THE REAR OF THE VEHICLE. IT IS CAPABLE OF 360° ROTATION AND APPROXIMATELY 45° ELEVATION. THE VEHICLE IS INTENDED FOR GENERAL USE BY THE ARMED FORCES IN TRANSPORTING AND TOWING WRECKED VEHICLES, OR IN PROVIDING FOR SPECIAL TASKS DURING TACTICAL MILITARY OPERATIONS.

MIRROR ASSY.	10938274
TRUCK FRONT END INSTL.	10871373
STEERING INSTL.	8758369
BATTERY BOX, RUNNINGBOARD AND SPLASH PANEL INSTL.	10883368
INSTRUMENT PANEL INSTL.	10883326
TACHOMETER INSTL.	10883225
SPEEDOMETER INSTL.	10883599
AIR CLEANER INSTL.	10883249
PROPELLER SHAFT INSTL.	10883532

**CRANE:**

SWING: 360° LIMITED TO 270° BY STOPS  
 MAX. BOOM ELEVATION: 45°  
 BOOM LENGTH RETRACTED: 11 FT. 6 IN.  
 BOOM LENGTH EXTENDED: 26 FT.  
 LIFT CAPACITY: 20000 LBS. AT 15 FT.  
 RADIUS WITH BOOM JACKS TO GROUND, REAR OUTRIGGERS UP AND A 3 PART LINE.  
 LIFT AND SWING CAPACITY: 10000 LBS. AT 11-1/2 FT.  
 RADIUS WITH OUTRIGGERS IN PLACE.

- (B) **POWER PLANT:** INSTL. 10883220  
 (B) **FUEL SYSTEM:** INSTL. 10871430  
 (B) **EXHAUST SYSTEM:** INSTL. 10883124

- (B) **CLUTCH:**  
 CLUTCH ASSEMBLY 8675958  
 CLUTCH-DRIVEN MEMBER, ASSY. 8735503  
 PRESSURE PLATE ASSY. 8735507
- (B) **TRANSMISSION ASSEMBLY:** 8333627  
 TYPE: SYNCHROMESH  
 NO. OF SPEEDS: 5 FWD; 1 REVERSE  
 FORWARD RATIOS: 7.31, 4.09, 2.41, 1.44, 1.00  
 REVERSE RATIOS: 7.33
- (B) **TRANSFER TRANSMISSION:**  
 W/WINCH 10899367-2  
 WO/WINCH 10899367  
 TRANSFER CASE 10938322
- (B) **FRONT SUSPENSION:** INSTL. 108712561-1  
 FRONT AXLE 7346805  
 FRONT SPRINGS 7411110  
 SHOCK ABSORBERS 7409617
- (B) **REAR SUSPENSION:** INSTL. 10871257  
 REAR AXLE 8327216  
 REAR SPRINGS 8327139  
 TORQUE ROD ASSY. 8728126
- (B) **FRAME ASSEMBLY:** 10871095  
 FRONT BUMPER AND LIFTING SHACKLES 10883120  
 REAR BUMPER AND LIFTING SHACKLES 10883139
- WHEELS:**  
 TEN AND ONE SPARE  
 SIZE: 20 x 7.5, MS53044-6

**TIRES:**

- (B) TEN AND ONE SPARE  
 SIZE: 12.00 x 20, 14 PLY, MIL-T-12459  
 TREAD DESIGN: NDCC  
 TUBES: MS35392-16

**BRAKES:** SERVICE

SIZE: 16-1/2 x 5-1/2  
 ACTUATION: AIR/ HYDRAULIC

**ELECTRICAL SYSTEM:**

POTENTIAL: 24 VOLTS  
 BATTERIES: 2, 6 TN, MS35000-3 OR 4  
 STOPLIGHT, TAIL, 2, MS51329-1  
 STOPLIGHT, B.O., 1, MS51302-1

**PERFORMANCE:**

MAX. SPEED, 53 MPH  
 CRUISING RANGE, 229 MILES, LOADED AT 30 MPH

**WINCH:** MS51353-1**PINTLE:** MS51117-1**FORDING KIT:** P/N 5701844

FORDING DEPTH W/O KIT: 30 INCHES  
 FORDING DEPTH W/KIT: 78 INCHES

(FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN).

(REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS).

- (B) THIS VEHICLE SHALL BE IN ACCORDANCE WITH REFERENCED DRAWINGS, COPIES OF WHICH MAY BE OBTAINED FROM:  
 US ARMY TANK-AUTOMOTIVE MATERIEL READINESS COMMAND  
 ATTN: DRSTA-GSS  
 WARREN, MICHIGAN 48090

APPROVED 11 APRIL 1966 REVISED (B) FOR CHANGES SEE SHEETS 1 AND 2

P. A. Other Cust	INTERNATIONAL INTEREST	TITLE <b>TRUCK TRACTOR, WRECKER, 5 TON, 6X6, M246</b>	<b>MILITARY STANDARD MS500041</b>
PROCUREMENT SPECIFICATION		SUPERSEDES:	SHEET 2 OF 2