



ⓑ CANCELLED AFTER 10 DECEMBER 1979. NO SUPERCEDING STANDARD

DIMENSIONS ARE IN INCHES AND ARE SHOWN FOR ENGINEERING REFERENCE ONLY.

UPDATED IN ACCORDANCE WITH ASD PROGRAM FOR FIVE YEAR CYCLIC REVIEW.

MS PART NO.	PART NO.	
MS 53078-2	8736164	WITH WINCH
MS 53078-1	8736165	LESS WINCH

APPROVED 23 JULY 1964 REVISED Ⓐ 16 DEC. 1968 Ⓑ 14 FEB 1980

P. A. ARMY-AT Other Cust NAVY-YD AF-84	INTERNATIONAL INTEREST	TITLE TRUCK, CARGO, 3/4 TON, 4 X 4, MILITARY DESIGN, M 37 BI	MILITARY STANDARD MS 53078
PROCUREMENT SPECIFICATION MIL-T-10204	SUPERSEDES:		SHEET 1 OF 2

90%

REVIEW ACTIVITIES: ARMY-EL; AF-85
USER ACTIVITIES:

This military standard is mandatory for use by all departments and agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

VEHICLE CHARACTERISTICS

CURB WEIGHT: FULLY EQUIPPED LESS PAYLOAD AND CREW.

	WO/W	W/W
FRONT AXLE	3000 LBS.	3275 LBS.
REAR AXLE	2700 LBS.	2675 LBS.
TOTAL	5700 LBS.	5950 LBS.

WEIGHT DISTRIBUTION: LOADED WITH CREW.

	WO/W	W/W
FRONT AXLE	3175 LBS.	3450 LBS.
REAR AXLE	4375 LBS.	4350 LBS.
TOTAL	7550 LBS.	7800 LBS.

PAYLOAD: INCLUDING

CROSS COUNTRY	HIGHWAY
1500 LBS.	2000 LBS.

TOWED LOAD ALLOWANCE:

CROSS COUNTRY	HIGHWAY
4000 LBS.	6000 LBS.

MINIMUM TURNING RADIUS: OVER BUMPER, 25 FEET

FORDING DEPTH:	30 INCHES
WITH FORDING KIT	79 INCHES

BODY ASSEMBLY: CARGO BODY 7005448

ENGINE: T-245 SIX CYLINDER 7032647

IN-LINE GASOLINE, VALVE-IN-HEAD	
DISPLACEMENT	230.2 CUBIC INCH
BORE 3.25	STROKE 4.625
COMPRESSION RATIO	6.7:1
GOVERNED SPEED	3200 RPM
HORSEPOWER	MAX. GROSS 94 @ 3200 RPM
	MAX. NET 78 @ 3200 RPM

GENERAL:

THIS VEHICLE IS USED TO TRANSPORT GENERAL CARGO OR PERSONNEL. THE CAB IS CANVAS COVERED, OPEN TYPE. THE BODY IS 6-1/2 FT. (78x64 INSIDE) STEEL, LIGHT CONSTRUCTION WITH REMOVABLE TROOP SEATS, LAZY BACKS, BOWS, PAULINS, END CURTAINS, AND REAR SAFETY STRAP. SPARE TIRE MOUNTED ON SIDE OF LEFT FRONT DOOR. HEIGHT OF SIDE PANELS 19-3/4 IN. HEIGHT OF TAILGATE 19-3/4 IN. BODY INCLUDES THREE (3) TOP BOWS WITH TARPAULINS AND END FLAPS. TWO AMBER REFLECTORS, ONE EACH SIDE FORWARD, FOUR RED REFLECTORS, TWO ON REAR, ONE EACH SIDE REARWARD. THIS VEHICLE IS DESIGNED IN TWO MAJOR COMPONENTS, CHASSIS AND BODY. FOR DATA ON CHASSIS, SEE MS 51390. M53B-1

TRANSMISSION: 7373390
SPEEDS FORWARD, FOUR

RATIOS:
1st 6.4, 2nd 3.09, 3rd 1.69, 4 TH DIRECT

TRANSFER UNIT: 7373721

NUMBER OF SPEEDS TWO FORWARD
RATIOS: HIGH 1:1 LOW 1.96:1
MANUAL CONTROL OF FRONT AXLE DRIVE.

FRAME: CHANNEL, DOUBLE DROP
SIDE BAR DIMENSIONS 6-1/2 x 2-1/16 x 7/32
SECTION MODULUS 3.99 IN.³
NUMBER OF CROSS MEMBERS SIX, REINFORCED

FRONT SUSPENSION:
FRONT AXLE 7373741
FRONT SPRINGS 7373771
SHOCK ABSORBERS 7373739

REAR SUSPENSION:
REAR AXLE 7373711
REAR SPRINGS 7373761
SHOCK ABSORBERS 7373740

WHEELS: INCLUDING RING MS 53044-2
SIZE 16 x 6.50 OFFSET FOUR INCHES
RING MS 53045-2

TIRES: SIZE 9.00 x 16, 8 PLY MS 35388-11
TREAD DESIGN MDMS ONE SPARE
TUBES MS 35392-10

STEERING: WORM AND SECTOR 7375403
RATIO 23.2:1

BRAKES, SERVICE:

FRONT AND REAR, INTERNAL EXPANDING.
DRUM SIZE 14-1/8 x 1-3/4
EFFECTIVE AREA 105 SQUARE INCHES
HYDRAULIC ACTUATION

BRAKES, PARKING: EXTERNAL CONTRACTING.
DRUM SIZE 7-13/16
EFFECTIVE AREA 48 SQUARE INCHES

ELECTRICAL SYSTEM: WATERPROOF, RADIO SUPPRESSED

POTENTIAL 24 VOLT
STARTING MOTOR 7355783
GENERATOR, 25 AMP 7524310
DRIVE V-BELT
BATTERIES, TWO, 12 VOLT, 2HN, MS 35000-2
COIL INTEGRAL WITH DISTRIBUTOR
REGULATOR 7524309, MS 51356
LIGHTING, HEADLAMPS 7760504
BLACKOUT DRIVING LAMPS 7760505
BLACKOUT MARKER LAMPS 8376368
TRAILER COUPLING SOCKET 7731424
WIRING DIAGRAM 8377310

PERFORMANCE: MAX. SPEED, 45 MPH
CRUISING RANGE, HIGHWAY 225 MILES

WINCH: 7728126
CAPACITY 7500 LBS.
PTO SPEEDS ONE FORWARD ONE REVERSE
WINCH CABLE ASSEMBLY 7745298

PINTLE: 18000 LB. CAPACITY MS 51335-1

TIE DOWNS: TEN, 2 FRONT, 2 REAR, 3 EACH SIDE

MAXIMUM TOWING SPEED: 48 MPH

SHACKLES: TWO FRONT, TWO REAR

MISCELLANEOUS EQUIPMENT:
FORDING KIT 5701838
WINTERIZATION KIT 8710621
A-FRAME KIT 8337114
GENERATOR KIT 8376791
ARCTIC KIT 7387270

OPTIONAL EQUIPMENT:
FRONT SPRINGS, HEAVY DUTY 7350313
REAR SPRINGS, HEAVY DUTY 7376832

(REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.)

THIS VEHICLE SHALL BE IN ACCORDANCE WITH DRAWINGS IN REFERENCED ENGINEERING PARTS LIST, COPIES OF WHICH MAY BE OBTAINED FROM: U.S. ARMY TANK-AUTOMOTIVE COMMAND WARREN, MICHIGAN 48090

CERTAIN PROVISIONS OF THIS STANDARD, IDENTIFIED BY AN ASTERISK (*) ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT NATO STANAG 2805-A (EDITION 3). WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.

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