

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

TRANSPORTABILITY GUIDANCE
TRUCK, DUMP, 2 1/2 TON, 6x6, M47

Headquarters, Department of the Army, Washington 25, D. C.
20 August 1962

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1. Purpose. This bulletin contains transportability guidance required by Transportation Corps personnel responsible for the shipment or movement of the Truck, Dump, 2 1/2 Ton, 6 x 6, M47 (fig. 1).

2. Scope. The information contained in this bulletin covers significant transportability and safety considerations in the movement of the item by the various modes of transport. Side and end profiles are provided which show dimensions in detail, including the location and capacity of tiedown and lifting provisions as well as the location of the center of gravity. Sectionalization is described to the extent that it is required by transportation needs. A characteristic data paragraph which gives item weight, cube, and other pertinent transportability data is included.

3. Modes of Transport. *a. Shipment by Air.* The item is not transportable in U.S. Army aircraft. Based on a typical logistical mission of 1000 nautical miles (one way) the item is transportable, with- out sectionalization, in the C-130A, C-124A, C-124C, and C-133A U.S. Air Force aircraft.

b. Shipment by Highway. The item is transportable under its own power highway movement. No weight or dimensional limits are exceeded in Continental United

States (CONUS) or in overseas areas. See figure 5 for turning characteristics.

c. Shipment by Rail. The item is transportable in CONUS and in countries complying with the Berne International Railway Interchange Agreement Diagram without limitation, when loaded on a railroad flatcar.

d. Shipment by Water. The item is transportable by inland waterway cargo carriers and lighters of adequate capacity. The item is transportable by the Mariner, Victory, and Liberty class seagoing vessels within the following restrictions:

Class	Hatch size adequate	Hatch boom adequate	Hatches requiring terminal crane
(1) Mariner	Nos. 2, 3, 4, 5, 6, 7	Nos. 2, 3, 4, 5, 6	No. 7
(2) Victory	Nos.1, 2, 3, 4, 5	Nos. 3, 4	Nos. 1, 2, 5
(3) Liberty	Nos.1, 2, 4, 5	Nos. 2, 4	Nos. 1, 5

4. Sectionalization. The overall height can be reduced from 102.5 inches to 81.5 inches by removing the gravel shield, operator's cab top, and folding the windshield. Four bolts on each side of the gravel shield require removal, after which the shield should be secured in the vehicle cargo bed. Tools

organic to the vehicle are sufficient for the sectionalization operation. A crane or other suitable lifting device is desirable to handle the gravel shield during removal.

5. Item Characteristics. (Data based on item in unloaded condition) Nomenclature-Truck, Dump, 2 1/2 Ton, 6 x 6, M47

	W/winch	W/out winch
FSN -.....	2320-835-8310	2320-835-8339
EAM Line Item No.	460710	460680
Type	Standard B	Standard B
Length	248.5 inches (6.31)	235 inches (5.97)
Width.....	84.25 inches (2.14)	84.25 inches (2.14)
Height	102.5 inches (2.60)	102.5 inches (2.60)
Weight.....	13,860 lbs.	13,450 lbs
Shipping Dimensions, Uncrated		
Volume.....	1242 cu ft	1174 cu ft
Area.....	145 sq ft	138 sq ft
Freight Classification, Freight Automobiles:		
Uniform Freight Classification (UFC) 6 Item	93340	

National Motor Freight Classification (NMFC) No. A-6, Item 190190		
	W/winch	W/out winch
Vehicle Classification	6	6
Angle of Approach	40°	48°
Angle of Departure	76°	76°
Turning Radii (R&L).....	36 ft (10.96)	35 ft (10.67)
Center of Gravity:		
Above Ground	35 inches (.89)	
From C Front Axle	79.5 inches (2.02)	
Tire Size-10:00 x 20, 12 ply, 45 p.s.i.		
Publications--TM 9-8022, TM 9-8023 -1, -2, -3		

Note. Figures in parentheses are meter.

6. Suggested Changes. Notice of discrepancies and/or changes for the improvement of this bulletin are encouraged. Submit all such communications on DA Form 2028 (Recommended Changes to DA Technical Manual Parts Lists or Supply Manual 7, 8, or 9) to the Chief of Transportation, ATTN: TCTEN, Department of the Army, Washington 25, D.C.

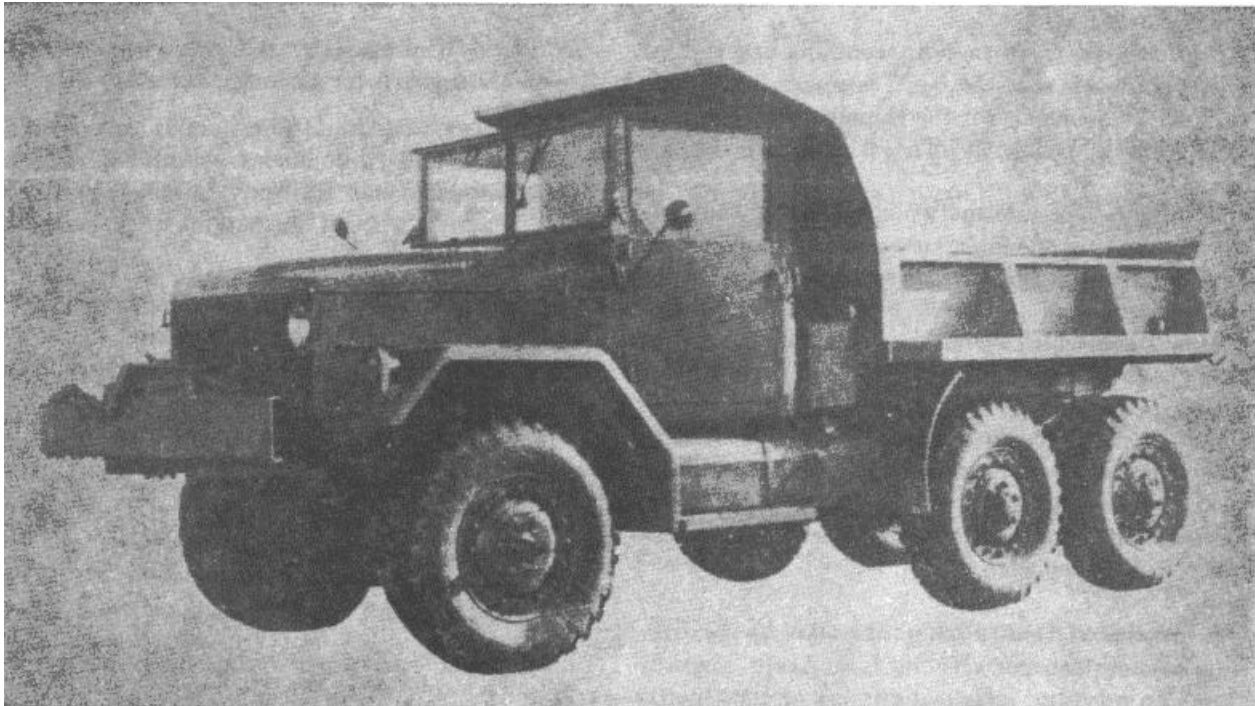
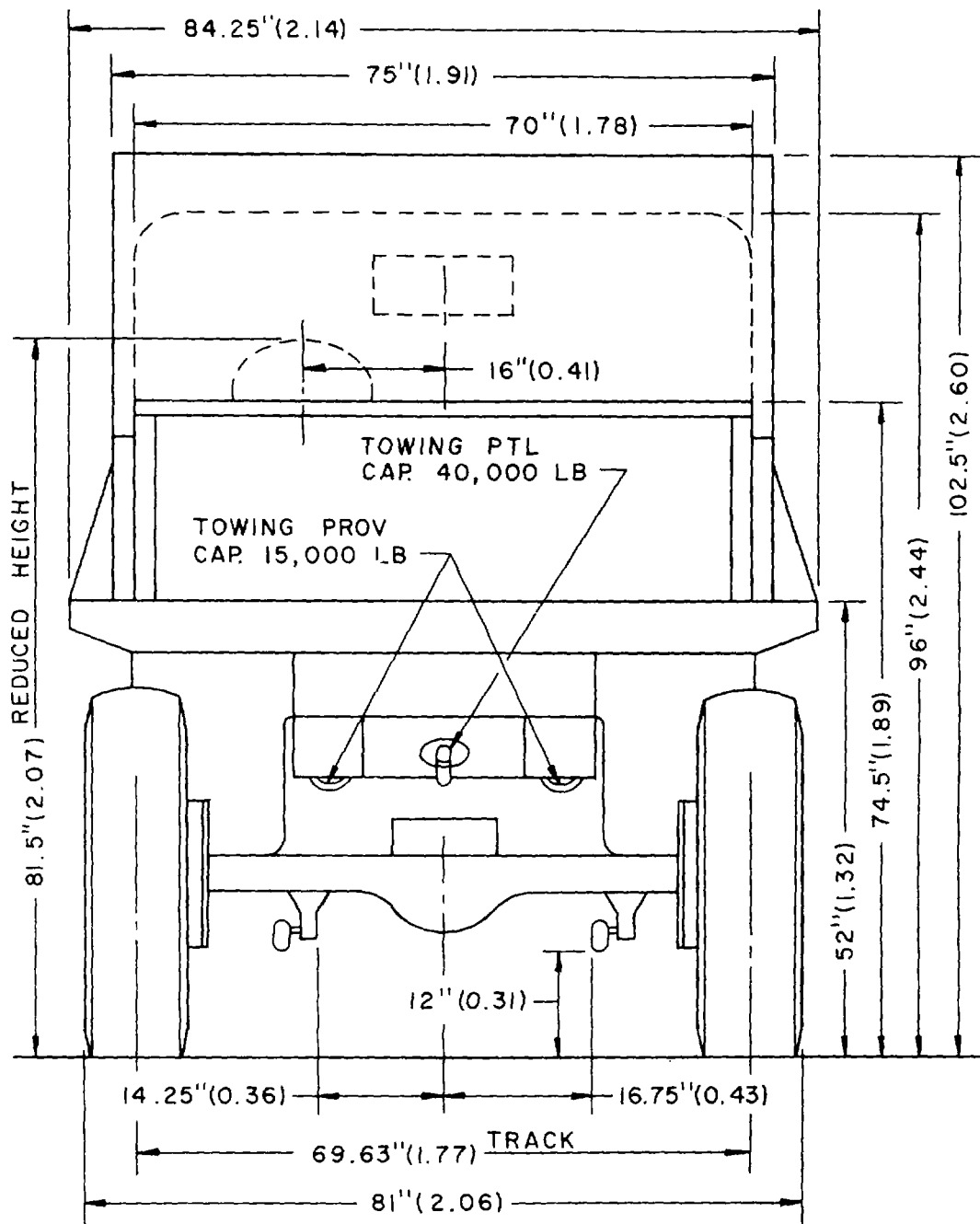


Figure 1. Truck, dump, 2 1/2 ton, 6x6, M47.



FIGURES IN PARENTHESES ARE METERS

TRUCK, DUMP, 2 $\frac{1}{2}$ TON, 6 x 6, M47

SCALE 1:20

Figure 2.