

TM 11240-15/4B
U.S. MARINE CORPS TECHNICAL MANUAL

**MOTOR TRANSPORT
TECHNICAL CHARACTERISTICS
MANUAL**



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BY DIRECTION OF THE COMMANDANT OF THE MARINE CORPS

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CHAPTER 1. INTRODUCTION

1.1 PURPOSE. To provide a ready reference of the principal technical characteristics of U.S. Marine Corps motor transport equipment.

1.2 SCOPE. Every major end item of Marine Corps tactical motor transport equipment, including vehicles still in development, has been included in this manual.

1.3 FORMAT. In this manual, each end item may or may not be given a separate page. In some cases, several end items have been assigned the same Table of Authorized Material Control Number (TAMCN) and modified model numbers because they are capable of performing the same primary mission. However, a single addition such as a winch or shelter alters vehicle dimensions, National/NATO Stock Number (NSN), Identification (ID) number, and other data to the point that these changes must be depicted on a separate page for the sake of clarity and accuracy. When available, the minimum ground clearance is shown whenever applicable, and it is used to compute vehicle volume. Shipping weight, cube and square are shown for each vehicle when available. When vehicle cargo capacity can be increased, the maximum possible cargo area, volume, and weight are shown. All fuel consumption figures are estimates. Actual fuel consumption varies considerably, depending on the operational environment, load, and mechanical condition of the vehicle.

1.4 ITEMS NOT COVERED. The following items are not covered in this manual: Mobile ordnance such as tanks and self-propelled artillery, construction and material handling equipment such as bulldozers and forklifts, mobile communications equipment of which the prime mover is a component, garrison mobile equipment, nonstandard/unauthorized vehicles and trailers procured with locally managed funds (e.g. 4x4 all terrain vehicles, mobilizers, trailers, etc.) and vehicles procured by nonappropriated funds.

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CHAPTER 2. AUTOMOTIVE

2.1 INTRODUCTION. Most motor vehicles in the Marine Corps inventory are part of a series or family of vehicles which share a common basic design. All models in a series generally have the same engine, transmission, drive train, brakes, electrical system, frame, and chassis. The bodies and equipment on the models in a series are specially designed by the manufacturer to enable each model to perform a specified mission.

2.2 CURRENT INVENTORY. The Marine Corps tactical vehicle fleet consists of the following series of vehicles:

a. The M998 (HMMWV) series of 1-1/4 ton trucks are utilized to transport passengers, cargo and communication equipment and as weapon platforms.

b. The Logistics Vehicle System (LVS) is utilized as a container hauler, recovery vehicle, prime mover, crane hauler, and ribbon bridge transporter.

c. The M809 series of 5 ton trucks are a product improvement of the M39 series of 5 ton trucks and are utilized for the transport of cargo, personnel, certain weapons and weapon systems. They are also utilized in engineer construction units.

d. The M939 series of 5 ton trucks, an improved version of the M809 series, are used for the same purposes as the M809 series of 5 ton trucks discussed above.

e. The M1030 utility motorcycle is used as an alternate means of transporting personnel, messages, documents, and light cargo.

f. The A/S32P-19A Aircraft Crash and Structure Firefighting Trucks are utilized to perform aircraft crash/rescue operations and the fighting of other type fires such as brush and structural fires.

g. The Commercial Utility Cargo Vehicle (CUCV), 1-1/4 ton M1008 is utilized to transport troops and cargo. The M1028 has a 100 amp/28v electrical kit, an S250 communications shelter, a communications kit, and a heavier suspension than the M1008

2.3 PLANNED ACQUISITIONS. The following vehicles or series of vehicles are planned for introduction into the Marine Corps inventory:

The M1097 series of the HMMWV is a heavier version of the M998 series of 1-1/4 ton trucks (HMMWV).

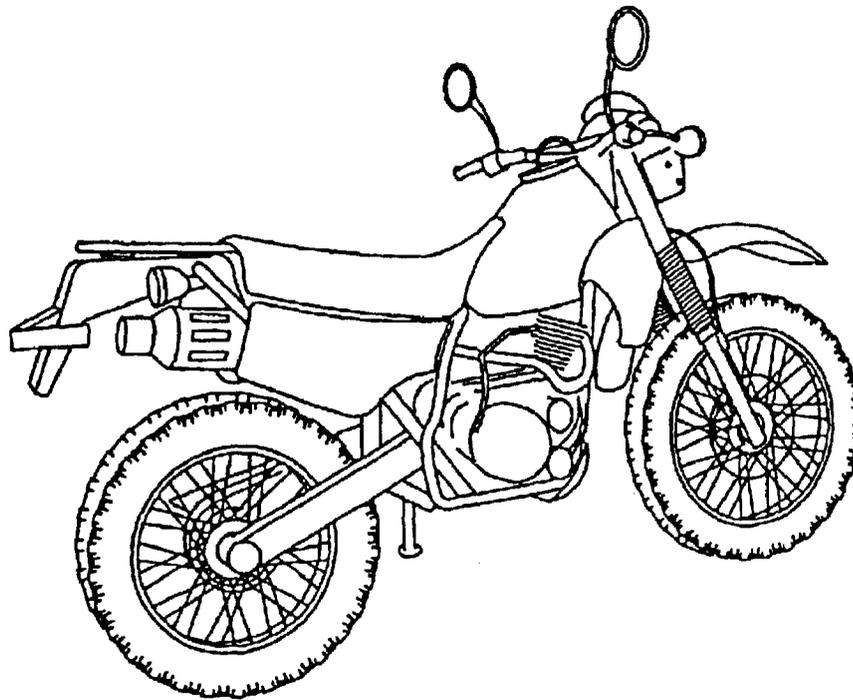
b. The Marine Corps will select a suitable replacement vehicle for the medium fleet (M809/M939 series) trucks via the Medium Tactical Vehicle Replacement (MTVR) Program and start fielding a replacement

vehicle in FY98. The SLEP program is a proof of concept program modifying the M939 series chassis with independent rear suspension, high geared reduction hubs at all axle ends, leading arm front suspension and inter/intra axle differential lock-up system. The plan is to SLEP only the M939 series and purchase the MTVR during FY97-FY2000 (+) time frame. The Marine Corps is doing a cost operational and effectiveness analysis to determine which of these options is best for the Marine Corps to choose.

c. The M1000 70 ton, Heavy Equipment Transporter (HET), Semitrailer will replace the M793 Semitrailer, and will be utilized as the transporter for the M1 series Tank. It can also be configured to transport International Standards Organization/American National Standards Institute (ISO/ANSI) containers and fuel or water modules from the six container (SIXCON) system.

d. The D1084, Firefighting Truck, will be replaced by a modular kit being developed as a Bravo TAMCN currently possessed in the FMF. It will be transported by motor transport assets.

e. A Maintenance Contact Team Vehicle, consisting of a M1097 Heavy HMMWV with a modular shop set, will be fielded to support motor transport, engineer and ordnance equipment contact maintenance requirements. It will replace the B1945 and E1716, currently transported by CUCV variants.



MOTORCYCLE, MILITARY, 2-WHEEL, M1030

The M1030 is a lightweight, rugged, commercial, cross-country motorcycle that has been modified for military use. It provides an alternate means of transporting messages, documents, and light cargo between units. The M1030 may also be used to transport forward observers, military police, and reconnaissance personnel. It is equipped with two detachable document carrying cases. The size and construction of the M1030 makes it highly mobile on all roads and cross-country terrain. The 1991 model M1030 replaces the 1984 KLR 250.

LOGISTIC DATA

TAMCN : D0201
 NSN : 2340-01-340-5246
 ID NUMBER: 09580A

BASIC DIMENSIONS

LENGTH : 84"
 WIDTH : 34"
 HEIGHT : 45"
 SQUARE : 19.8 sq ft
 CUBE : 74.4 cu ft
 CURB WEIGHT : 258 lbs

CARGO COMPARTMENT

LENGTH (EA): 14"
 WIDTH (EA): 4"
 HEIGHT (EA): 11"
 SQUARE (TOTAL): .8 sq ft

FUEL DATA

TYPE : Gasoline
 TANK CAPACITY: 2.8 gallons
 GALLONS PER HOUR: 1.7
 EST RANGE: 210 miles, highway

MOTORCYCLE, MILITARY, 2-WHEEL, M1030 (CONTINUED)

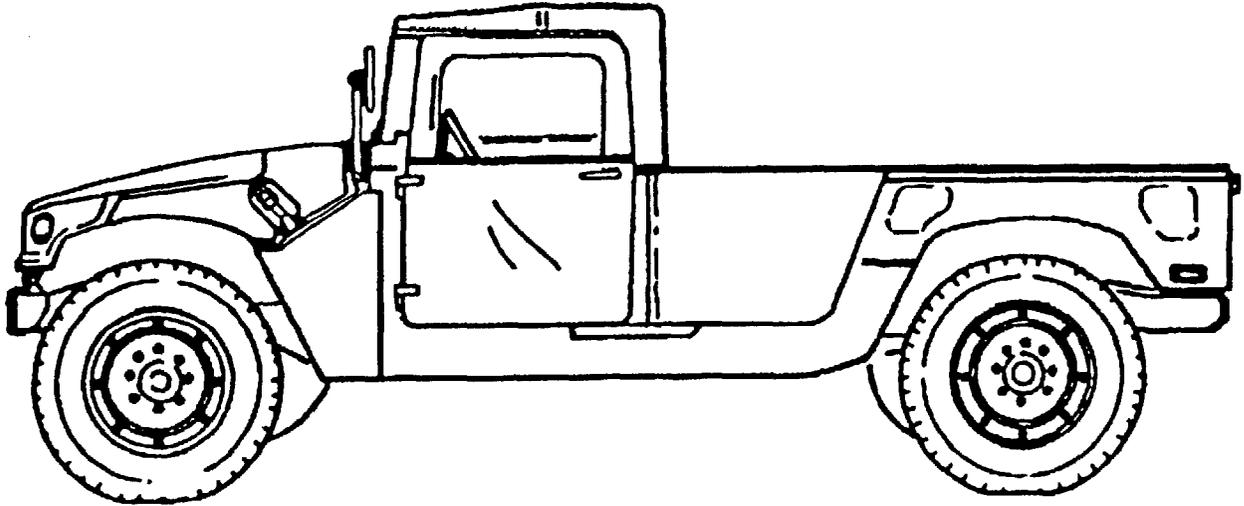
MECHANICAL DATA

ENGINE : 1 cylinder, liquid
cooled, overhead cam, 250cc
HP: 23
TRANSMISSION: 6 speed manual,
chain drive
ELECTRICAL SYSTEM: Magneto
ignition, 12 volts 4 Ah,
negative ground service system,
6 amps

BRAKES : Hydraulic, front disc,
rear drum
CUBE (TOTAL): .7 cu ft
CARGO CAPACITY: 50 lbs

FORDING DEPTH

18" without preparation



TRUCK, UTILITY, CARGO/TROOP CARRIER, 1-1/4 TON, 4x4, WITHOUT WINCH,
HMMWV M998

The M998 is the baseline vehicle for the M998 series of 1-1/4 ton trucks, which are also known as the High Mobility, Multi-Purpose, Wheeled Vehicles (HMMWV). It is used to transport equipment, materials, crews and up to eight passengers. The M998 is an open aluminum body, canvas top, general purpose tactical truck designed for use over all types of roads, in all weather conditions. Its high power to weight ratio, four-wheel drive, and high ground clearance combine to give it cross-country mobility. The M998 series contains metric components and requires metric common and special tools. It is equipped with a towing pintle for towing and tiedown/lifting eyes for air, rail, highway or ocean shipment.

LOGISTIC DATA

TAMCN : D1158
NSN : 2320-01-107-7155
ID NUMBER: 08770A

BASIC DIMENSIONS

LENGTH : 180"
WIDTH : 85"
HEIGHT : 69"reducible to 55"
SQUARE : 106 sq ft
CUBE : 488 cu ft
CURB WEIGHT: 5,060 lbs
WHEEL BASE : 129"
GROUND CLEARANCE : 16"

MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed,
locking, chain driven
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc

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TRUCK, UTILITY, CARGO/TROOP CARRIER, 1-1/4 TON, 4x4, WITHOUT WINCH,
HMMWV, M998 (CONTINUED)

FUEL DATA

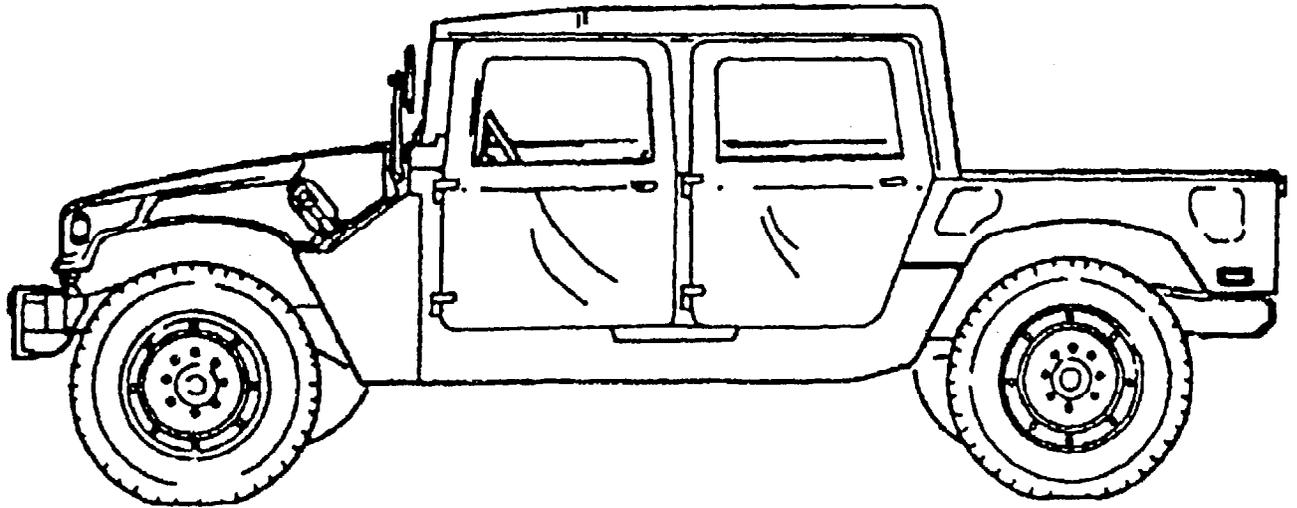
TYPE : Diesel
TANK CAPACITY: 25 gallons
GALLON PER HOUR: 1.7
CRUISING RANGE: 350 miles,
highway

FORDING DEPTH

3011 without preparation
60" with deep water fording kit
fitted

CARGO COMPARTMENT

LENGTH : 85"
WIDTH: 75"
HEIGHT : 24"
SQUARE : 44 sq ft
CUBE : 88 cu ft
CAPACITY: 2,500 lbs



TRUCK, UTILITY, CARGO/TROOP CARRIER, 1-1/4 TON, 4x4, WITH WINCH,
HMMWV, M1038

The basic difference between the M1038 and M998 is that the M1038 is fitted with an 8,000 pound capacity electric winch on the front bumper. The winch feature affects vehicle length, weight, shipping dimensions, and approach angle and can be installed on any M998 to convert it to an M1038

LOGISTIC DATA

TAMCN : D1158
NSN : 2320-01-107-7156
ID NUMBER: 08771A

BASIC DIMENSIONS

LENGTH : 185"
WIDTH : 85"
HEIGHT : 69", reducible to 55"
SQUARE : 110 sq ft
CUBE : 503 cu ft
CURB WEIGHT: 5,140 lbs
WHEEL BASE: 129"
GROUND CLEARANCE : 16"

FUEL DATA

TYPE : Diesel
TANK CAPACITY : 25 gallons
GALLONS PER HOUR: 1.7

CRUISING RANGE: 350 miles,
highway

CARGO COMPARTMENT

LENGTH : 85"
WIDTH : 75"
HEIGHT : 24"
SQUARE : 44 sq ft

MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed,
locking, chain driven
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps

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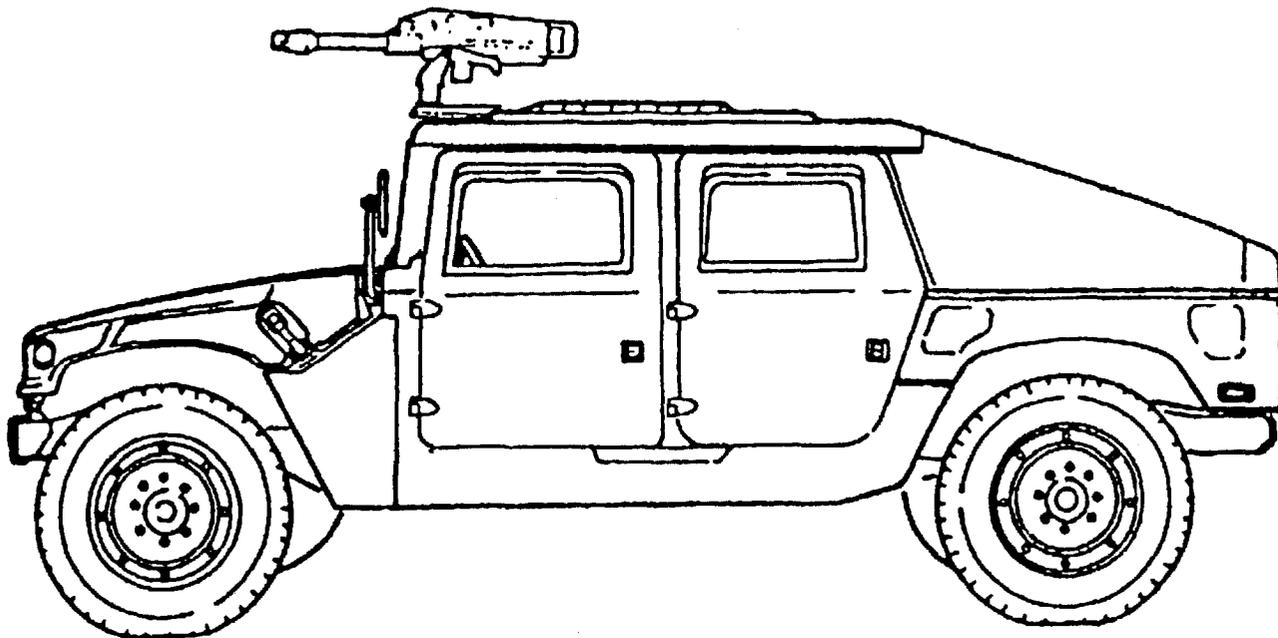
TRUCK, UTILITY, CARGO/TROOP CARRIER, 1-1/4 TON, 4x4, WITH WINCH,
HMMWV, M1038 (CONTINUED)

MECHANICAL DATA (CON'T)

BRAKES : Hydraulic, 4-wheel disc
CUBE : 88 cu ft
CAPACITY: 2,500 lbs

FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted



TRUCK, UTILITY, ARMAMENT CARRIER, WITH SUPPLEMENTAL ARMOR,
1-1/4 TON, 4x4, WITHOUT WINCH, HMMWV, M1043

The M1043 is an armament carrier (with supplemental armor) model of the M998 series of 1-1/4 ton trucks. It is intended to be used primarily as a weapons carrier in the Heavy Machinegun Section, Weapons Company, Infantry Battalion. The M1043 is a fully enclosed, aluminum body tactical truck, fitted with additional aluminum armor which provides added ballistic protection to the crew, equipment and ammunition. It is designed as a weapons platform for the M60 7.62mm machinegun, the M2 .50 caliber machinegun and the MK19 40mm machinegun. It also transports weapon spares, ammunition and a crew of two. The M1043 features a hatch on top of the body and a mount capable of mounting either machinegun. Its chassis, mechanical components, and performance are the same as other models of the M998 series.

LOGISTIC DATA

TAMCN : D1159
NSN : 2320-01-146-7190
ID NUMBER: 08776A

CURB WEIGHT: 5,977 lbs
WHEEL BASE: 129"
GROUND CLEARANCE : 16"

BASIC DIMENSIONS

LENGTH : 180"
WIDTH : 85"
HEIGHT : 73" reducible to 71"
SQUARE : 106 sq ft
CUBE : 610 cu ft

MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic

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TRUCK, UTILITY, ARMAMENT CARRIER, WITH SUPPLEMENTAL ARMOR,
1-1/4 TON, 4x4, WITHOUT WINCH, HMMWV, M1043 (CONTINUED)

MECHANICAL DATA (CON'T)

TRANSFER CASE: 2 speed,
locking, chain driven
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc

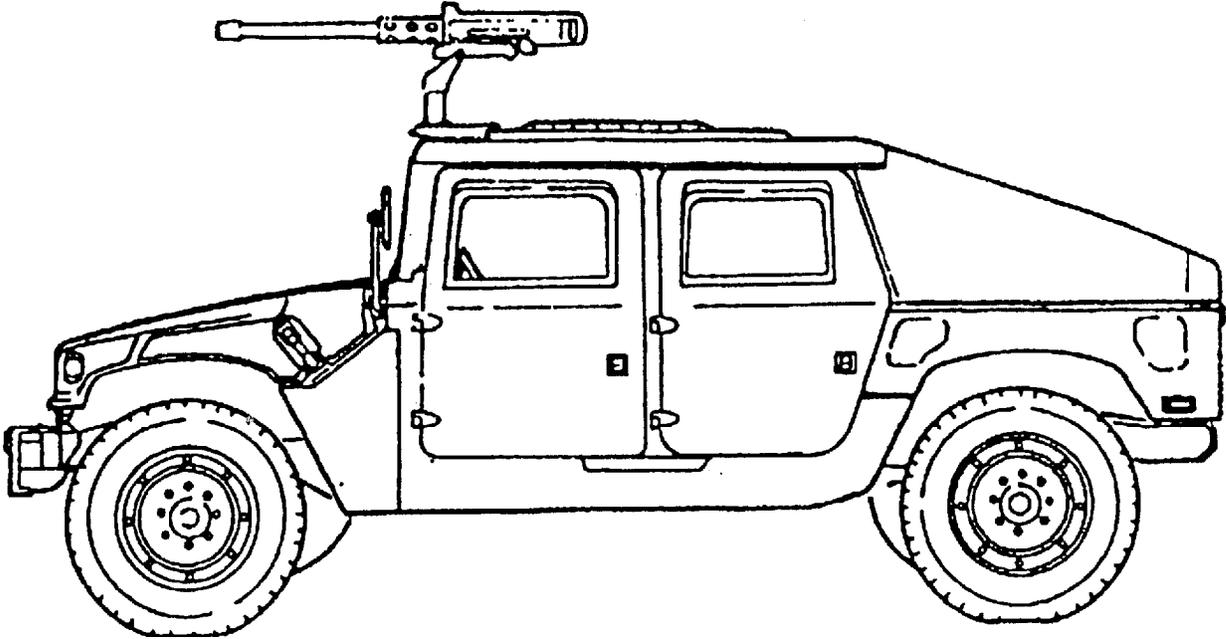
GALLONS PER HOUR: 1.7
CRUISING RANGE: 350 miles,
highway

FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 25 gallons



TRUCK, UTILITY, ARMAMENT CARRIER, WITH SUPPLEMENTAL ARMOR,
1-1/4 TON, 4x4, WITH WINCH, HMMWV, M1044

The basic difference between the M1044 and the M1043 is that the M1044 is fitted with an 8,000 pound capacity electric winch on the front bumper. The winch feature affects vehicle length, weight, shipping dimensions, and approach angle. The winch can be installed on any M1043 to convert it to an M1044.

LOGISTIC DATA

TAMCN : D1159
NSN : 2320-01-146-7189
ID NUMBER: 08777A

BASIC DIMENSIONS

LENGTH : 185"
WIDTH : 85"
HEIGHT : 73", reducible to 71"
SQUARE : 109.8 sq ft
CUBE : 631 cu ft
CURB WEIGHT: 6,104 lbs
WHEEL BASE: 129"
GROUND CLEARANCE: 16"

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 25 gallons
GALLONS PER HOUR: 1.7

CRUISING RANGE: 350 miles,
highway

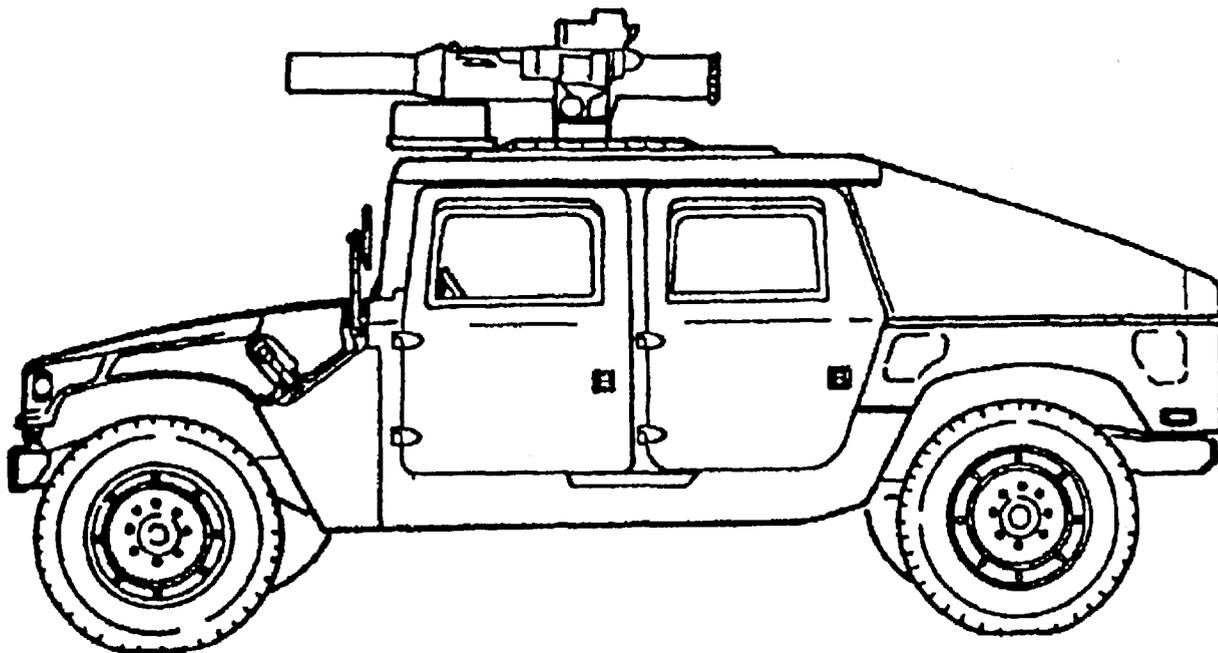
MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION : 3 speed,
automatic
TRANSFER CASE: 2 speed,
locking, chain driven
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc

FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted

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TRUCK, TOW CARRIER, WITH SUPPLEMENTAL ARMOR, 1-1/4 TON,
4x4, WITHOUT WINCH, HMMWV, M1045

The M1045 is the Tube Launched, Optically-Tracked, Wire-Guided (TOW) missile carrier (with supplemental armor) model of the M998 series of tactical truck designed to provide added ballistic protection to the crew, equipment, and ammunition. The M1045 is designed to carry the M220E2 TOW missile launcher, six TOW missiles, and a crew of two. The M1045 features a hatch on top of the body and an external mount for the M220E2 TOW launcher. When the Vehicle Power Conditioner (VPC) cables are connected to the M220E2, traverse is limited to 300 degrees left or right of the vehicle center line. With the M220E2 installed, elevation is limited to 20 degrees and depression is limited to 10 degrees. Its chassis, mechanical components, and performance are the same as other models of the M998 series.

LOGISTIC DATA

TAMCN : D1125
NSN : 2320-01-146-7191
ID NUMBER: 08778A

BASIC DIMENSIONS

LENGTH : 180"
WIDTH : 85"
HEIGHT : 73" reducible to 71"
SQUARE : 106 sq ft
CUBE : 610 cu ft
CURB WEIGHT: 7,098 lbs

WHEEL BASE: 129"
GROUND CLEARANCE: 16"

MECHANICAL DATA

ENGINE : V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed,
locking, chain driven

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TRUCK, TOW CARRIER, WITH SUPPLEMENTAL ARMOR, 1-1/4 TON,
4x4, WITHOUT WINCH, HMMWV, M1045 (CONTINUED)

MECHANICAL DATA (CON'T)

ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc

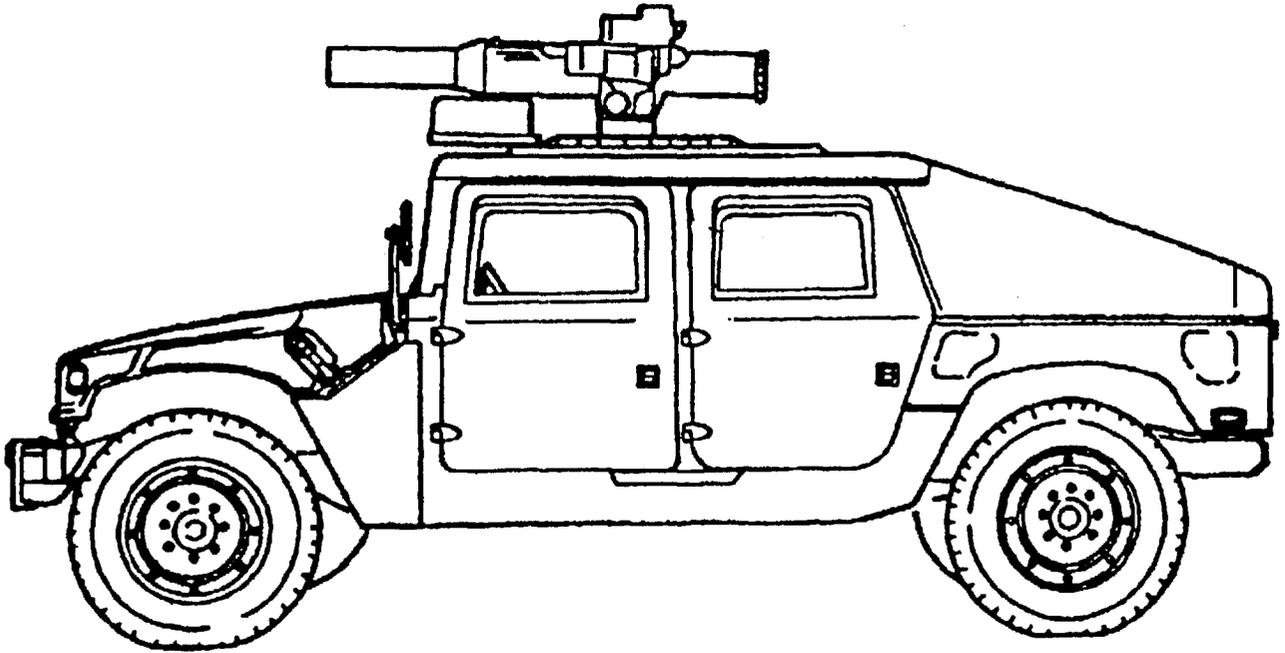
FUEL DATA

TYPE : Diesel
TANK CAPACITY: 25 gallons

GALLONS PER HOUR: 1.7
CRUISING RANGE: 325 miles,
highway

FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted



TRUCK, TOW CARRIER, WITH SUPPLEMENTAL ARMOR,
1-1/4 TON, 4x4, WITH WINCH, HMMWV, M1046

The basic difference between the M1046 and the M1045 is that the M1046 is equipped with an 8,000 pound capacity electric winch located on the front bumper. The winch feature affects vehicle length, weight, shipping dimensions, and approach angle. It can be installed on any M1045 to convert it to an M1046.

LOGISTIC DATA

TAMCN : D1125
NSN : 2320-01-146-7188
ID NUMBER: 08779A

CRUISING RANGE: 325 miles,
highway

BASIC DIMENSIONS

LENGTH : 185"
WIDTH : 85"
HEIGHT : 73" reducible to 71"
SQUARE : 110 sq ft
CUBE : 631 cu ft
CURB WEIGHT: 7,178 lbs
WHEEL BASE: 129"
GROUND CLEARANCE: 16"

MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed, locking
chain driven
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc

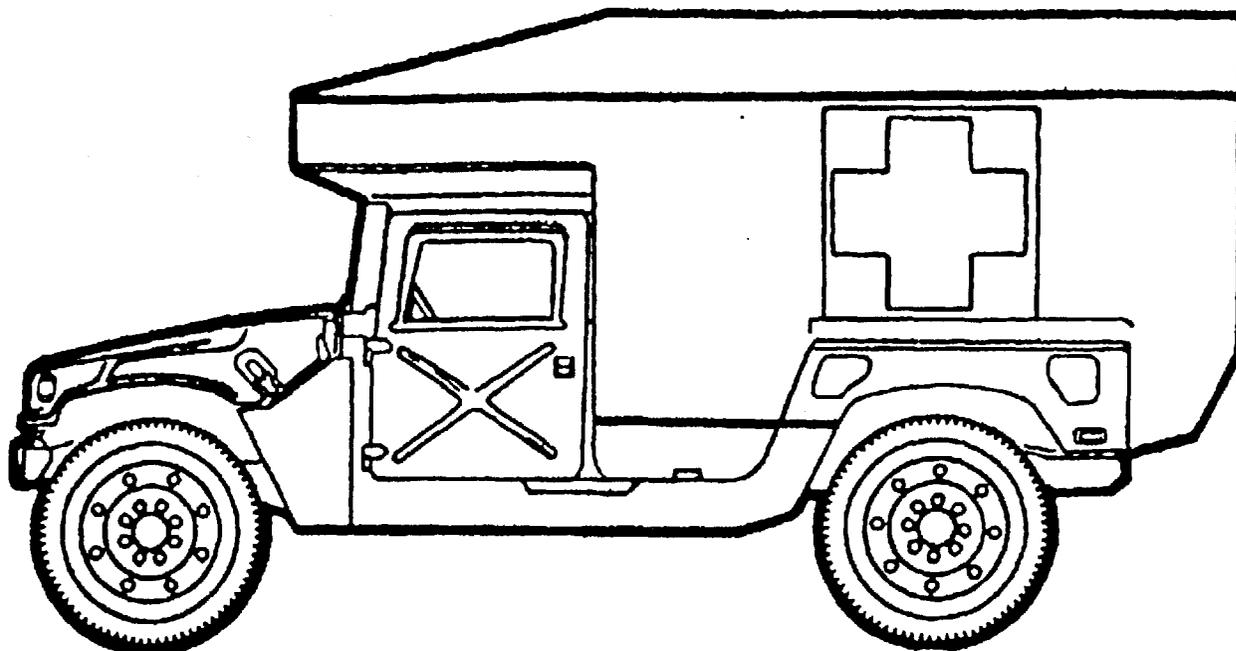
FUEL DATA

TYPE : Diesel
TANK CAPACITY: 25 gallons
GALLONS PER HOUR: 1.7

FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted

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TRUCK, AMBULANCE, 4-LITTER, ARMORED, 1-1/4 TON, 4x4, HMMWV, M997

The M997 is capable of transporting up to four litter patients, eight ambulatory patients or a combination of litter and ambulatory patients. Additionally, medical personnel and equipment and a driver can be accommodated in the vehicle. The ambulance is heated, ventilated or air conditioned depending on environmental conditions. For operation in a NBC environment, the M997 is equipped with a Gas - Particulate Filter Unit (GPFU) with heaters capable of supporting up to seven personnel equipped with the M25 series protective masks or M13 series of patient protective masks. The GPFU forces temperature controlled, filtered air to the mask facepieces, which increases protection, eases breathing and reduces stress and heat fatigue during extended periods of NBC operation.

LOGISTIC DATA

TAMCN : D1001
 NSN : 2310-01-111-2274
 ID NUMBER: 08991A

BASIC DIMENSIONS

LENGTH : 202"
 WIDTH : 85"
 HEIGHT : 100", nonreducible
 SQUARE : 121 sq ft
 CUBE : 719 cu ft
 CURB WEIGHT: 7,168 lbs
 WHEEL BASE: 129"
 GROUND CLEARANCE: 16"

MECHANICAL DATA

ENGINE: V8, liquid cooled,
 compression ignition
 HP: 150 at 3,600 RPM
 TRANSMISSION: 3 speed,
 automatic
 TRANSFER CASE: 2 speed,
 locking, chain driven
 ELECTRICAL SYSTEM: 24 volt,
 negative ground, 60 amps
 BRAKES : Hydraulic, 4-wheel disc

TM 11240-15/4B

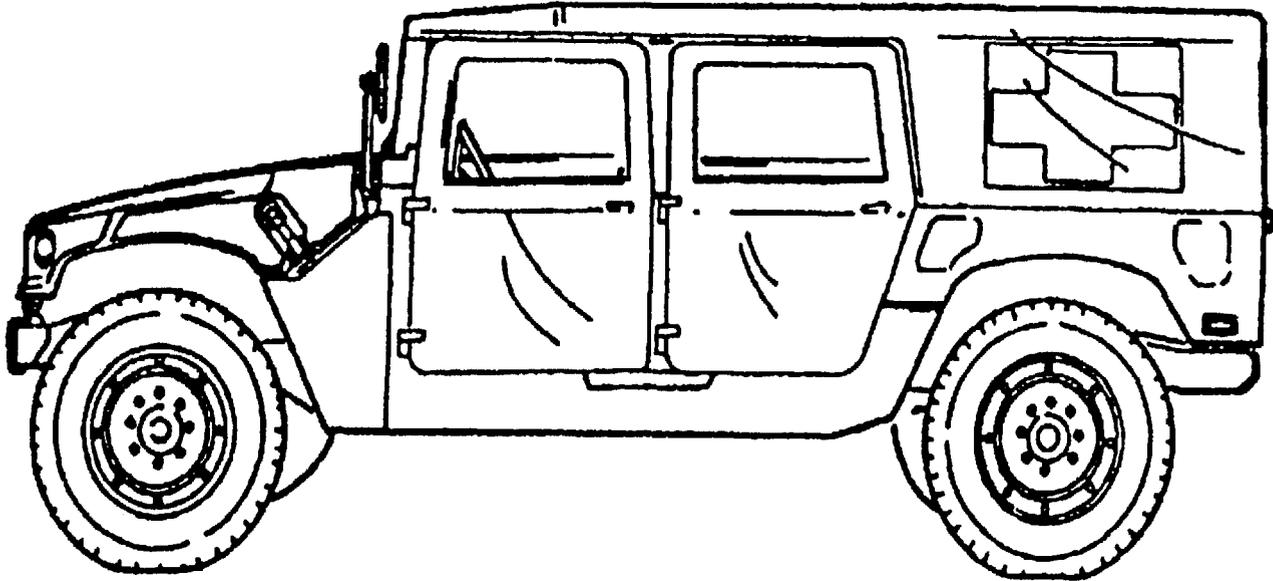
TRUCK, AMBULANCE, 4-LITTER, ARMORED, 1-1/4 TON, 4x4, HMMWV, M997
(CONTINUED)

FUEL DATA

TYPE: Diesel
TANK CAPACITY: 25 gallons
GALLONS PER HOUR: 1.7
CRUISING RANGE: 300 miles,
highway

FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted



TRUCK , AMBULANCE, 2-LITTER, SOFT TOP, 1-1/4 TON, 4x4,
HMMWV, M1035

The M1035 is an ambulance variant of the M998 series of 1-1/4 ton trucks. It is the soft top version that has no armor protection for the crew or patients. The-vehicle is capable of transporting two litter patients and a heater is provided for patient comfort. Its chassis, mechanical components, and general performance are the same as other models of the M998 series.

LOGISTIC DATA

TAMCN : D1002
NSN : 2310-01-146-7194
ID NUMBER: 08774A

BASIC DIMENSIONS

LENGTH : 180"
WIDTH : 85"
HEIGHT : 69", reducible to 55"
SQUARE : 106 sq ft
CUBE : 487 cu ft
CURB WEIGHT: 5,361 lbs
WHEEL BASE: 129"
GROUND CLEARANCE: 16"

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 25 gallons
GALLONS PER HOUR: 1.7

CRUISING RANGE: 350 miles,
highway

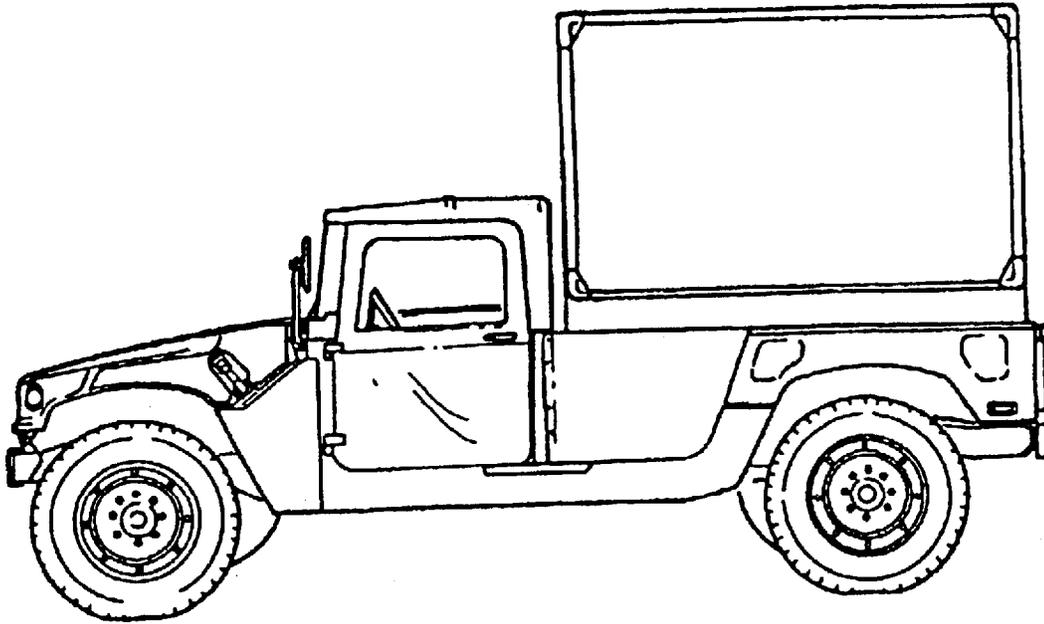
MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed, locking
chain driven
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc

FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted

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TRUCK, UTILITY, SHELTER CARRIER, 1-1/4 TON, 4x4, WITHOUT
WINCH, HMMWV, M1037

The M1037 is the shelter carrier model of the M998 series of 1-1/4 ton trucks. The M1037 is used to transport the S250 shelter and enclosed equipment on all classes of road and cross-country, and in all weather conditions. It is equipped with tie-downs to secure the S250 electrical equipment shelter. The S250 shelter can be removed, permitting the M1037 to operate as an open body cargo carrier. The M1037's chassis, mechanical components, and general performance are the same as other models of the M998 series.

LOGISTIC DATA

TAMCN : D1180
NSN : 2320-01-146-7193
ID NUMBER: 08775A

BASIC DIMENSIONS

LENGTH : 180"
WIDTH : 85"
HEIGHT W/O SHELTER, 69",
reducible to 55"
SQUARE : 106 sq ft
CUBE : 451 cu ft
CURB WEIGHT: 5,178 lbs
WHEEL BASE: 129"
GROUND CLEARANCE: 16"

MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION : 3 speed,
automatic
TRANSFER CASE: 2 speed,
locking, chain driven
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 25 gallons
GALLONS PER HOUR: 1.9
CRUISING RANGE: 300 miles,
highway

TM 11240-15/4B

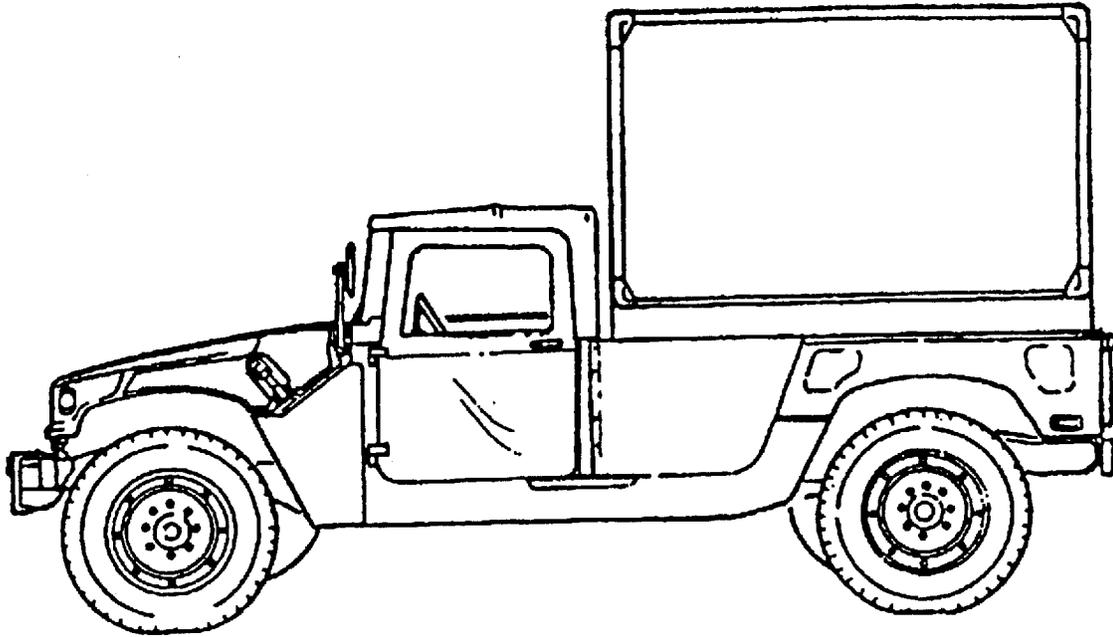
TRUCK, UTILITY, SHELTER, CARRIER, 1-1/4 TON, 4x4, WITHOUT
WINCH, HMMWV, M1037 (CONTINUED)

S250 SHELTER DIMENSIONS

LENGTH : 85"
WIDTH : 79"
HEIGHT : 70"
SQUARE : 46.6 sq ft
CUBE : 272 cu ft

FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted



**TRUCK, UTILITY, SHELTER CARRIER, 1-1/4 TON, 4x4, WITH WINCH,
HMMWV, M1042**

The basic difference between the M1042 and the M1037 is that the M1042 is fitted with an 8,000 pound capacity electric winch on the front bumper. The winch feature affects vehicle length, weight, shipping dimensions, and approach angle and can be installed on any M1037 to convert it to an M1042.

LOGISTIC DATA

TAMCN : D1180
NSN : 2320-01-146-7187
ID NUMBER: 08773A

BASIC DIMENSIONS

LENGTH : 185"
WIDTH : 85"
HEIGHT W/O SHELTER: 69",
reducible to 55"
SQUARE : 109 sq ft
CUBE : 467 cu ft
CURB WEIGHT: 5,258 lbs
WHEEL BASE: 129"
GROUND CLEARANCE: 16"

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 25 gallons
GALLONS PER HOUR: 1.9

CRUISING RANGE: 300 miles,
highway

MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed,
locking, chain driven
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc

FORDING DEPTH

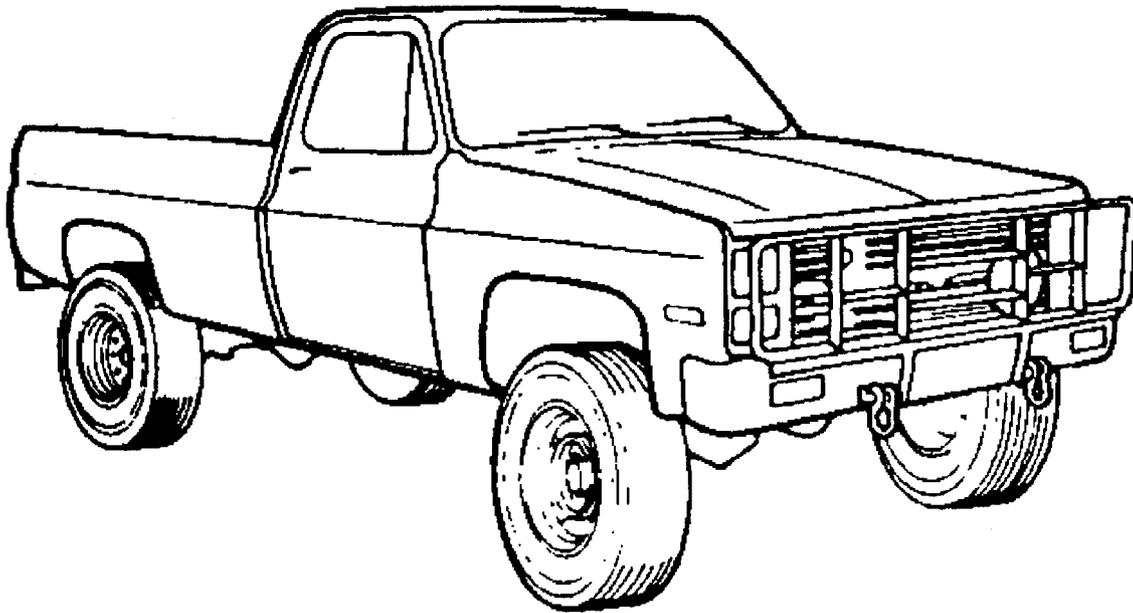
30" without preparation
60" with deep water fording kit
fitted

TM 11240-15/4B

TRUCK, UTILITY, SHELTER CARRIER, 1-1/4 TON, 4x4, WITH WINCH,
HMMWV, M1042 (CONTINUED)

S250 SHELTER DIMENSIONS

LENGTH : 85"
WIDTH : 79"
HEIGHT : 70"
SQUARE : 46.6 sq ft
CUBE : 272 cu ft



TRUCK, CARGO, TACTICAL, 1-1/4 TON, 4x4, M1008

The M1008 is a variant of the series of light commercial trucks which are known as the Commercial Utility Cargo Vehicle (CUCV). It is designed to provide standard tactical mobility and to carry cargo and passengers. With the installation of a troop seat kit, it can transport up to eight passengers. The truck is a 4x4, enclosed cab, general purpose cargo vehicle with an open cargo body. It has a tailgate at the rear of the cargo body and a towing pintle that enables it to tow trailers or aircraft. Lifting shackles are mounted on each bumper to allow for lifting of the vehicle. A NATO slave cable receptacle is provided for slave starting. The M1008 is configured to operate primarily on hard surface roads but is capable of cross-country travel over selected terrain. The CUCV is scheduled to be gradually phased out and replaced by the HMMWV by FY97.

LOGISTIC DATA

TAMCN : D1016
 NSN : 2320-01-123-6827
 ID NUMBER: 08642A

CURB WEIGHT: 5,900 lbs
 WHEEL BASE: 131.5"
 GROUND CLEARANCE: 10.7"

BASIC DIMENSIONS

LENGTH : 220.7"
 WIDTH : 81.2"
 HEIGHT : 75.9"
 SQUARE : 120 sq ft
 CUBE : 763 cu ft

MECHANICAL DATA

ENGINE: V8, liquid cooled,
 compression ignition
 HP: 135 at 3,600 RPM
 TRANSMISSION : 3 speed,
 automatic
 TRANSFER CASE: 2 speed, manual

TM 11240-15/4B

TRUCK, CARGO, TACTICAL, 1-1/4 TON, 4x4, M1008 (CONTINUED)

MECHANICAL DATA (CON 'T)

ELECTRICAL SYSTEM: 28 volt,
negative ground, 100 amps with a
12 volt to trailer electrical
receptacle
BRAKES : Hydraulic, front disc,
rear drum

CARGO COMPARTMENT

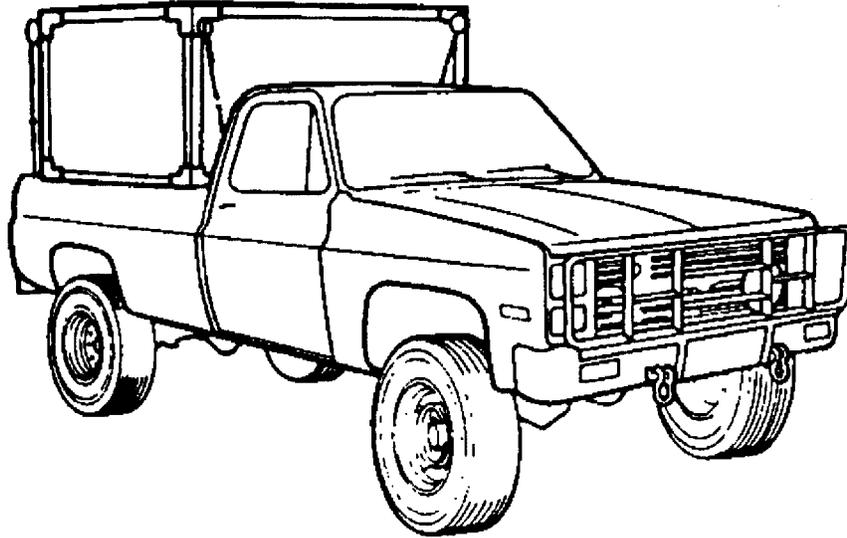
LENGTH : 96"
WIDTH : 65"
HEIGHT : 19.5"
SQUARE : 44 sq ft
CUBE : 71 cu ft
CAPACITY: 2,900 lbs

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 20 gallons
GALLONS PER HOUR: 2.0
EST RANGE: 250 miles, highway

FORDING DEPTH

2011 without preparation (No
fording kit)



TRUCK, SHELTER, TACTICAL, 1-1/4 TON, 4x4, M1028

The M1028 is the shelter carrier model of the CUCV series of light trucks. It transports mobile communication/electronic equipment located in a removable S250 electrical equipment shelter. It is a 4x4 cargo truck with an enclosed cab and an open cargo body mounted behind the cab. The cargo body is equipped with tie-downs to secure the S250 shelter and has an open rear to allow access to the shelter. A towing pintle is located on the rear bumper and lifting shackles are attached to each bumper. When the shelter is removed, the vehicle can be used to transport general cargo and troops. The M1028 operates primarily on hard surface roads but is capable of cross-country travel over selected terrain. The M1028 will be replaced by the HMMWV M1037 and M1042 .

LOGISTIC DATA

TAMCN : D1105
 NSN : 2320-01-127-5077
 ID NUMBER: 08643A

GROUND CLEARANCE: 10.5"
 PAYLOAD: 3,600 lbs

BASIC DIMENSIONS

LENGTH : 220.7"
 WIDTH : 81.2"
 HEIGHT : 107.1" with shelter
 SQUARE : 120 sq ft
 CUBE : 763 cu ft
 CURB WEIGHT: 5,800 lbs
 WHEEL BASE: 131.5"

FUEL DATA

TYPE : Diesel
 TANK CAPACITY: 20 gallons
 GALLONS PER HOUR: 2.0
 EST RANGE: 250 miles, highway

S250 SHELTER DIMENSIONS

LENGTH : 85"
 WIDTH : 79 1/2"
 HEIGHT : 70"
 SQUARE : 46.6 sq ft
 CUBE : 272 cu ft

TRUCK, SHELTER, TACTICAL, 1-1/4 TON, 4x4, M1028 (CONTINUED)

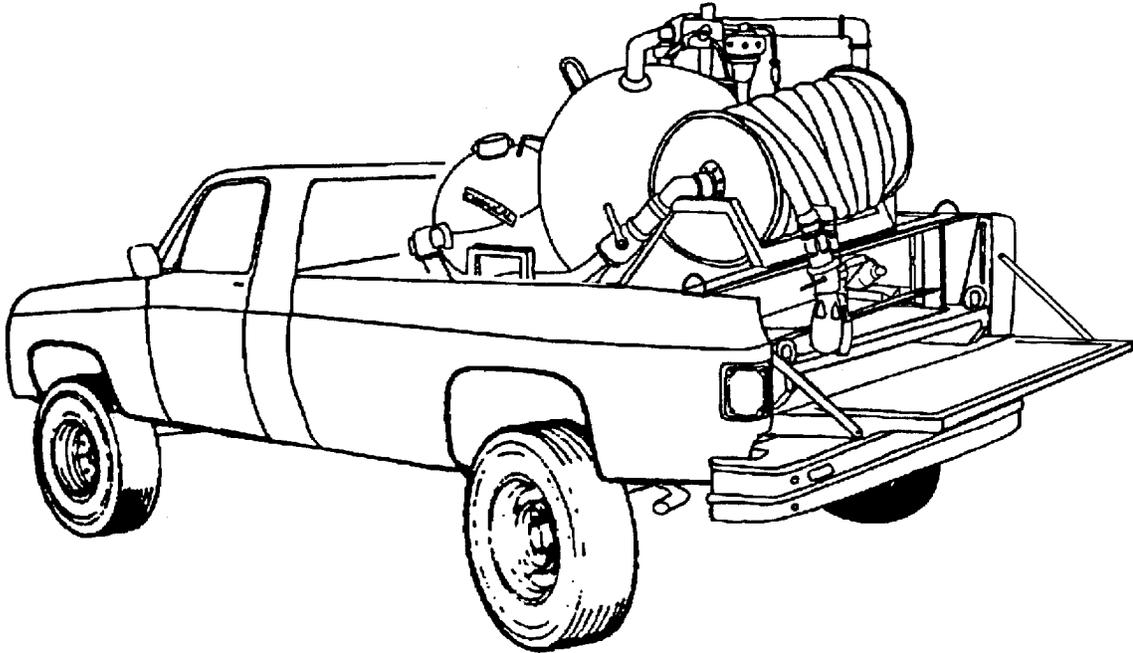
MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 135 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed, manual

ELECTRICAL SYSTEM: 24 volt,
negative ground, 100 amps with a
24 volt to trailer electrical
receptacle
BRAKES : Hydraulic, front disc,
rear drum

FORDING DEPTH

20" without preparation (No
fording kit)



TRUCK, FIREFIGHTING, 1-1/4 TON, 4X4, M1028FF

The M1028FF consists of a Dry Chemical (Potassium Bicarbonate) and a Aqueous Film Forming Foam Twin Agent Unit (TAU) (TAMCN C4765) mounted in the cargo area of a modified D1105 Commercial Utility Cargo Vehicle (CUCV). The TAU is a self contained twin agent fire extinguisher. It is skid mounted and easily relocated when necessary. It is designed and constructed to be effective in fighting fires generated by hydrocarbon fuels. It is intended for use in providing fire protection to the Flightline Tactical Fuel Dispensing System and the Amphibious Assault Fuel System. The M1028FF is also capable of providing fire protection at forward vertical take off and landing (VTOL) sites and ammunition storage points (ASP'S).

LOGISTIC DATA

TAMCN : D1082
 NSN : 4210-01-259-4609
 ID NUMBER: 09067A

BASIC DIMENSIONS

LENGTH : 220.7"
 WIDTH : 79.6"
 HEIGHT : 76.0"
 SQUARE : 122 sq ft
 CUBE : 773 cu ft
 CURB WEIGHT: 6,680 lbs
 WHEELBASE.
 GROUND CLEARANCE: 10.5"

MECHANICAL DATA

ENGINE: V8, liquid-cooled,
 compression ignition
 HP: 135 at 3,600 RPM
 TRANSMISSION: 3 speed,
 automatic
 TRANSFER CASE: 2 speed, manual
 ELECTRICAL SYSTEM: 24 volt,
 negative ground, 100 amps with a
 24 volt to trailer electrical
 receptacle.
 BRAKES : Hydraulic, front disc,
 rear drum

TM 11240-15/4B

TRUCK, FIREFIGHTING, 1-1/4 TON, 4x4, M1028FF

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 20 gallons
GALLONS PER HOUR: 2.0
EST RANGE: 250 miles, highway

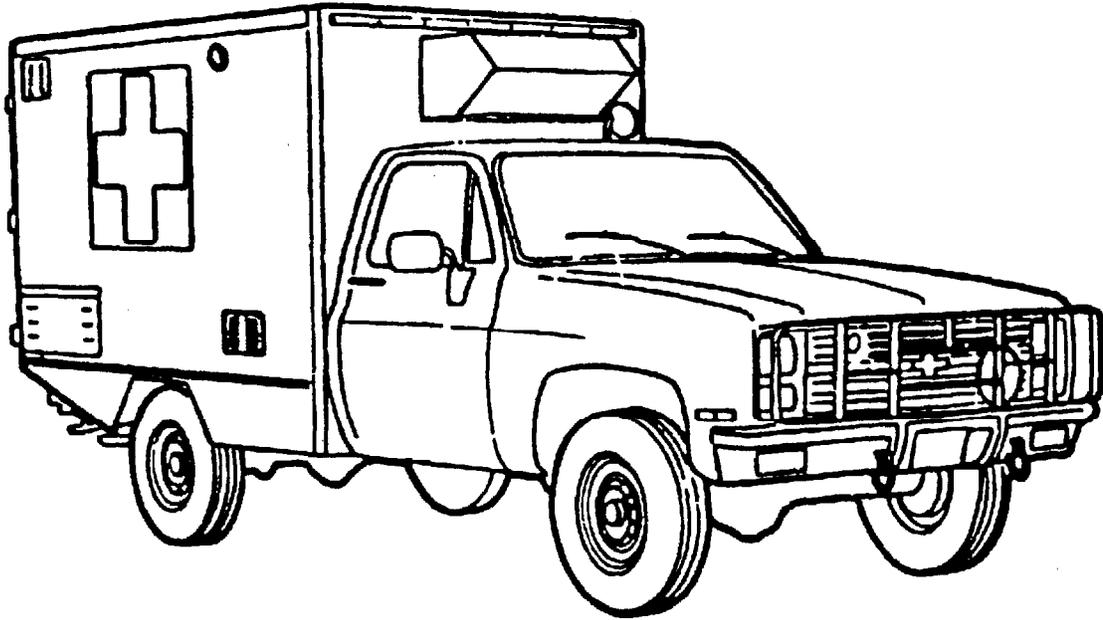
SQUARE : 31.7 sq ft
CUBE : 153.1 cu ft
WEIGHT : 3,260 lbs full
CAPACITIES:
Dry Chemical: 450 lbs
6% AFFF Solution: 100 gallons

TAU DATA

LENGTH : 9511
WIDTH : 48"
HEIGHT : 58"

FORDING DEPTH

20" without preparation (No
fording kit)



TRUCK, AMBULANCE, 1-1/4 TON, DIESEL, 4x4, M1010

The M1010 is an ambulance model of the Commercial Utility Cargo Vehicle (CUCV) Series of lightweight commercial trucks. It is designed to carry four litter patients, eight ambulatory patients, or two litters and four ambulatory patients. The M1010 is a 4x4 wheel drive truck with a fully enclosed body and a patient compartment mounted on the chassis behind the cab. Double doors with windows are located at the rear of the patient compartment, which is equipped with an air conditioner, fuel-fired heater and gas particulate filter unit. It has lifting shackles one each bumper, but no towing pintle is fitted. The M1010 is designed primarily to operate on hard surface roads, but is capable of cross-country operation over selected terrain. The M1010 has been replaced by the m1097, HMMWV. However, TAMCN E1716, shop Set, FM, Ordnance Contact Van, is the same as the M1010 with minor cargo body differences. TAMCN E1716 will be replaced when a suitable Shop Set is developed for the HMMWV.

LOGISTIC DATA

TAMCN : D0918
 NSN : 2310-01-123-2666
 ID NUMBER: 08803A

CURB WEIGHT: 7,370
 WHEEL BASE: 131.5"
 GROUND CLEARANCE: 10.5"
 PAYLOAD: 2,080 lbs

BASIC DIMENSIONS

LENGTH : 227.7"
 WIDTH : 81.2"
 HEIGHT : 101.6"
 SQUARE : 128 sq ft
 CUBE : 1,090 cu ft

FUEL DATA

TYPE : Diesel
 TANK CAPACITY: 20 gallons
 GALLONS PER HOUR: 2.0
 EST RANGE: 250 miles, highway

TRUCK, AMBULANCE, 1-1/4 TON, DIESEL, 4x4, M1010 (CONTINUED)

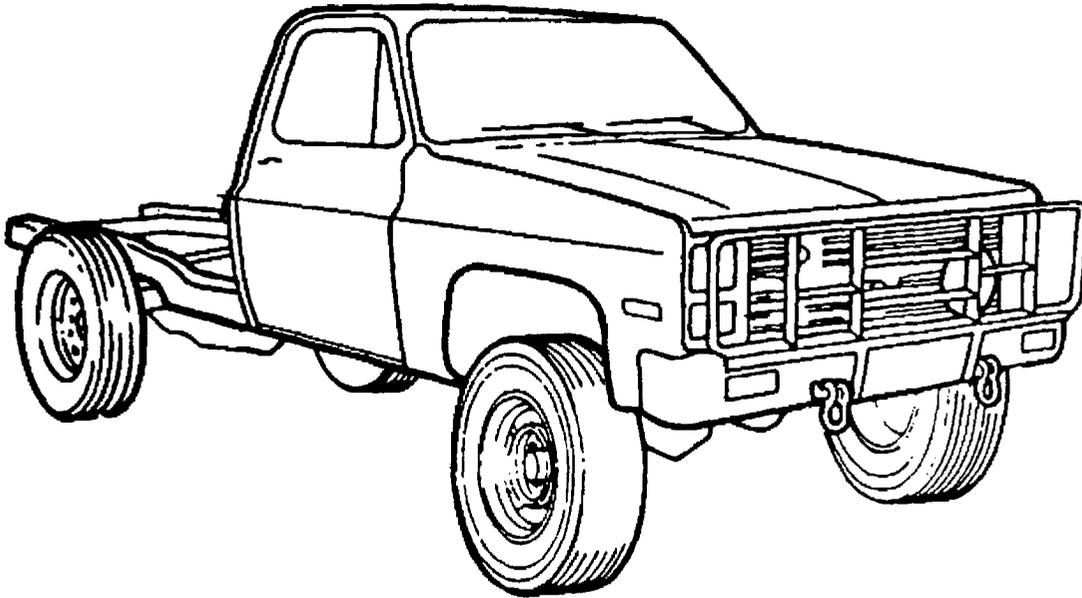
MECHANICAL DATA

ENGINE: V8, liquid-cooled,
compression ignition
HP: 135 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed, manual

ELECTRICAL SYSTEM: 24 volt,
negative ground, 200 amps
BRAKES : Hydraulic, front disc,
rear drum

FORDING DEPTH

20" without preparation (No
fording kit)



TRUCK, CHASSIS, TACTICAL, 1-1/4 TON, 4x4, M1031

The M1031 is the chassis and the cab combination model of the Commercial Utility Cargo Vehicle (CUCV) series of light trucks. It is designed for the mounting of special bodies that might be required. The M1031 operates primarily on hard surface roads but is capable of cross-country travel over selected terrain. The M1031 is a component to TAMCN B1945 Shop Equipment, Contact Maintenance, Trk Mtd Set #3. It will be replaced by the HMMWV when a suitable Shop Set is developed to replaced TAMCN B1945.

LOGISTIC DATA

TAMCN : D1105
 NSN : 2320-01-133-5368
 ID NUMBER:

BASIC DIMENSIONS

LENGTH : 212.9"
 WIDTH : 81.2"
 HEIGHT : 76.3"
 SQUARE : 120 sq ft
 CUBE : 763 cu ft
 CURB WEIGHT: 5,250 lbs
 WHEEL BASE: 131.5"
 GROUND CLEARANCE: 10.5"
 PAYLOAD: 3,950 lbs

FUEL DATA

TYPE : Diesel
 TANK CAPACITY: 20 gallons
 GALLONS PER HOUR: 2.0
 EST RANGE: 250 miles, highway

MECHANICAL DATA

ENGINE: V8, liquid cooled, compression ignition
 HP: 135 at 3,600 RPM
 TRANSMISSION: 3 speed, automatic
 TRANSFER CASE: 2 speed, manual
 ELECTRICAL SYSTEM: 24 volt, negative ground, 100 amps with a 24 volt to trailer electrical receptacle

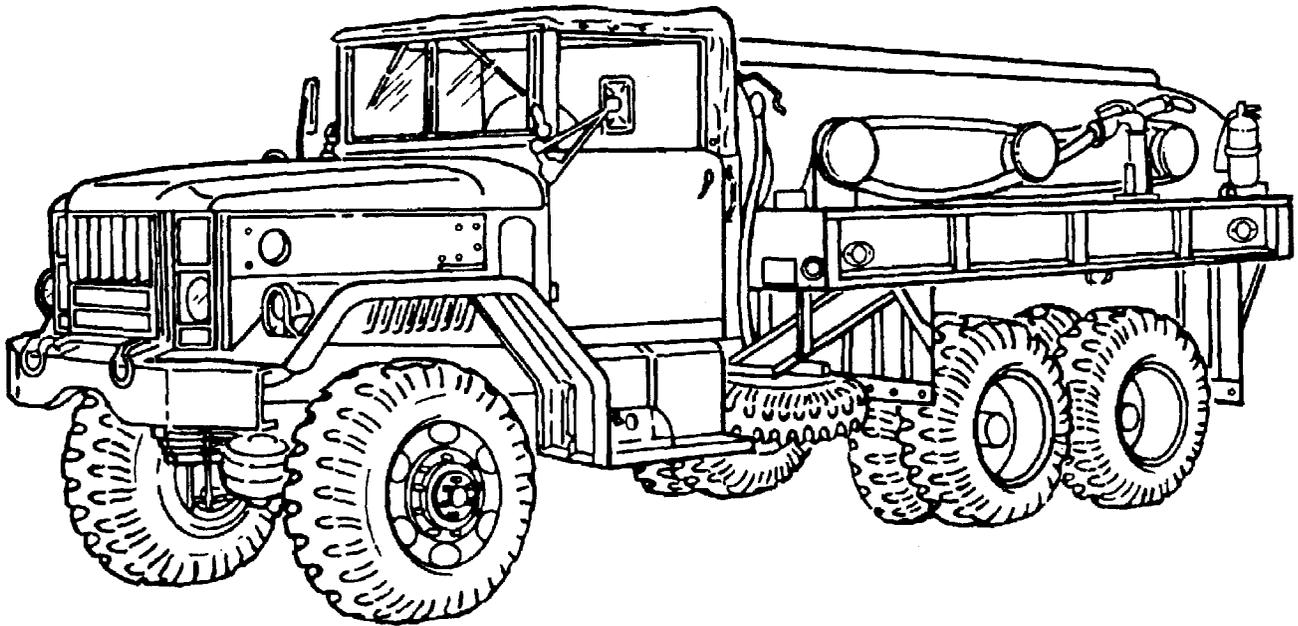
TRUCK, CHASSIS, TACTICAL, 1-1/4 TON, 4x4, M1031 (CONTINUED)

MECHANICAL DATA (CON'T)

BRAKES : Hydraulic, front disc,
rear drum

FORDING DEPTH

20" without preparation (No
fording kit)



TRUCK, TANK, FUEL SERVICE, 1,200 GALLON, 2-1/2 TON, 6x6, M49A2C

The M49A2C is a variant of the M44 Series of 2-1/2 ton trucks. It is a 6x6 drive truck with dual rear tires, steel chassis and body, and an open, canvas top cab. The M49A2C is used as an organic refueler by organizations which possess large numbers of motor transport, engineer, and/or ordnance vehicles. It features a tank body divided into two sections. Each section has a manhole and filler cover for filling and cleaning. Two delivery lines are used: one for gravity discharge and one with a delivery pump for pressure discharge of fuel. Safety devices include fire extinguishers, safety wiring, a discharge control valve, remote control discharge valve, control fusible link, filler cover vents, fusible plugs and a safety chain. A towing pintle is fitted at the rear of the chassis. The M49A2C has excellent cross-country mobility as long as the fuel cargo does not exceed off-road capacity of 780 gallons. Some M49A2C models are equipped with a 10,000 pound capacity winch behind the front bumper. The M49A2C is being replaced by TAMCN B2085, Storage Module, Fuel. The module is mounted on ISO cargo beds of standard M809/M939 series cargo trucks.

LOGISTICS DATA

TAMCN : D1110
 NSN : 2320-00-077-1631
 ID NUMBER: 00658F
 REPLACED BY: B2085
 Storage Module, Fuel

BASIC DIMENSIONS

LENGTH : 263"
 WIDTH : 96"
 HEIGHT : 102" reducible to 92"
 SQUARE : 175 sq ft
 CUBE : 1,344 cu ft
 CURB WEIGHT: 14,522 lbs
 (w/winch 15,022 lbs)

TRUCK, TANK, FUEL SERVICE, 1,200 GALLON, 2-1/2 TON, 6x6, M49A2C
(CONTINUED)

BASIC DIMENSION (CON 'T)

WHEEL BASE
GROUND CLEARANCE 11"

FUEL DATA

TYPE : Multifuel
TANK CAPACITY: 50 gallons
GALLONS PER HOUR: 5.33
EST RANGE: 450 miles, highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
liquid-cooled, compression
ignition
HP: 140 at 2,600 RPM
TRANSMISSION: 5 speed, manual

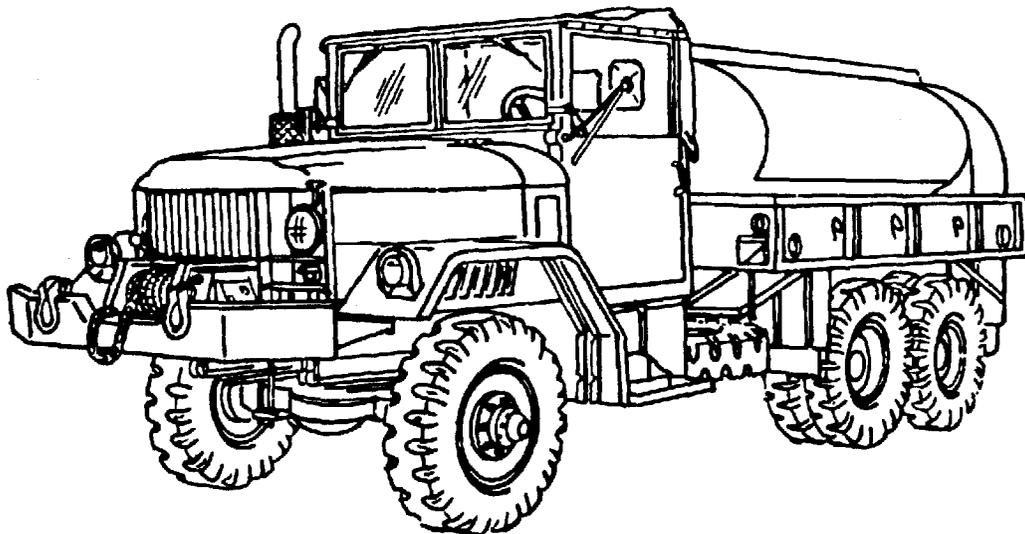
TRANSFER CASE: 2 speed, manual
ELECTRICAL SYSTEM: 24 volt,
negative ground, 25 amps
BRAKES : Air-hydraulic

CARGO CAPACITY

7,644 lbs/1,200 gal fuel,
highway
5,000 lbs/746 gal fuel, cross-
country

FORDING DEPTH

30" without preparation
72" with deep water fording kit
fitted



TRUCK, TANK, WATER, 1,000 GALLON, 2-1/2 TON, 6x6, M50A2

The M50A2 is a variant of the M44 Series of 2-1/2 ton trucks and is used to transport and dispense potable water in bulk quantities. It is 6x6 drive truck with dual rear tires, steel chassis and an open, canvas top cab. The M50A2 has the same chassis and mechanical components as other M44 series trucks and has a 1,000 gallon two-compartment tank mounted behind the cab. The front compartment holds 400 gallons and the rear compartment holds 600 gallons. A built-in exhaust heating chamber on the underside of the tank body protects the discharge valves and drain pipe during freezing weather. The delivery pump is located at the rear of the tank and is operated from the power-take-off by two drive shafts in series. The tank body is aluminum and insulated with fiber glass. The tank has manhole openings for an immersion heater and for bulk filling and cleaning. The M50A2 operates on all types of roads, cross-country terrain, and in all weather conditions. The M50A2 is being replaced by TAMCN B2086, Storage Module, Water. The module is mounted on ISO cargo beds of standard M809/M939 series cargo trucks.

LOGISTIC DATA

TAMCN : D1120
 NSN : 2320-00-077-1663
 ID NUMBER: 00616C
 REPLACED BY: B2086, Storage
 Module, Water

WIDTH : 96"
 HEIGHT : 102", reducible to 92"
 SQUARE : 198 sq ft
 CUBE : 1,441 cu ft
 CURB WEIGHT: 14,089 lbs
 WHEEL BASE: 154"
 GROUND CLEARANCE : 11"

BASIC DIMENSIONS

LENGTH : 263"

TRUCK, TANK, WATER, 1,000 GALLON, 2-1/2 TON, 6x6, M50A2 (CONTINUED)

FUEL DATA

TYPE : Multifuel
TANK CAPACITY: 50 gallons
GALLONS PER HOUR: 5.33
EST RANGE: 450 miles, highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
liquid-cooled, compression
ignition
HP: 140 at 2,600 RPM
TRANSMISSION : 5 speed, manual
TRANSFER CASE: 2 speed, manual

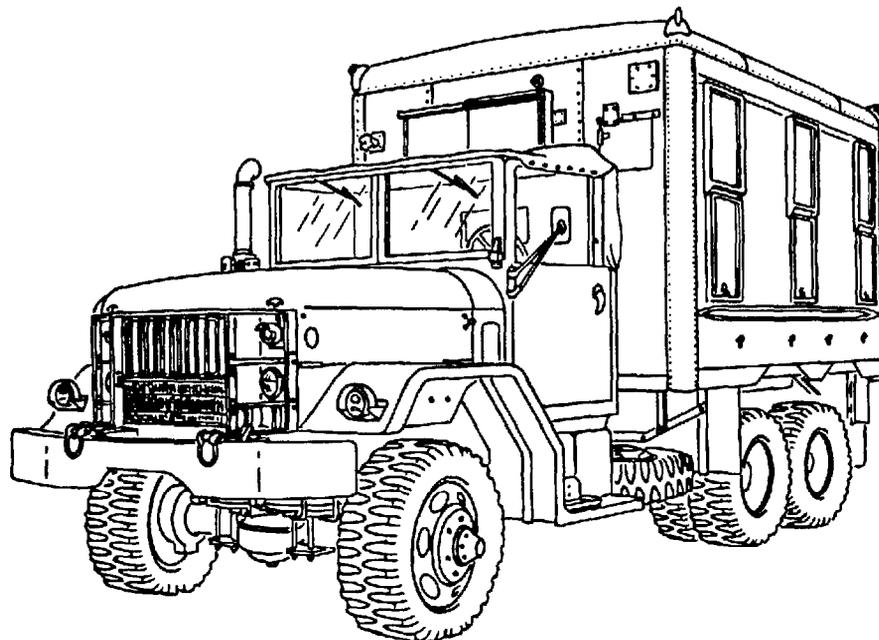
ELECTRICAL SYSTEM: 24 volt,
negative ground, 25 amps
BRAKES : Air-hydraulic

CARGO CAPACITY

8,349 lbs/1,000 gal water
highway
5,000 lbs/602 gal water cross-
country

FORDING DEPTH

30" without preparation
72" with deep water fording kit
fitted



TRUCK, VAN, 2-1/2 TON, 6x6, M109A3

The M109A3 is a steel bodied, enclosed, 6x6 wheel drive truck with dual rear tires. It is a variant of the M44 Series and is designed to mount and transport a maintenance van. The M109A3 is used by intermediate maintenance activities to provide mobile maintenance and repair shop facilities in the field and is normally found as a component of a maintenance shop set. The all-steel van features three double pane windows on each side fitted with insect screens and blackout panels. It has a towing pintle and access door located in the rear. The van is wired for 24 volts DC and 115 volts AC. Direct current is provided by the M109A3 alternator, however, alternating current must be provided by an external generator. The van can be lifted off the M44 chassis by means of lift rings located at each upper corner. The M109A3 has cross-country mobility although its performance will vary depending on size and weight of equipment mounted in the van. The M109A3 van is being replaced by a standard ISC)/ANSI container/shelter 8' x 8' x 20') to be mounted on a MK48/14 LVS system and the M927 fitted with the 20' ISO bed.

LOGISTICS DATA

TAMCN : D1190
 NSN : 2320-00-933-7525
 ID NUMBER: 00663D

HEIGHT : 130"
 SQUARE : 182 sq ft
 CUBE : 1,976 cuft
 CURB WEIGHT: 14,930 lbs
 WHEEL BASE: 154"
 GROUND CLEARANCE : 11"

BASIC DIMENSIONS

LENGTH : 268"
 WIDTH : 99"

TRUCK, VAN, 2-1/2 TON, 6x6, M109A3 (CONTINUED)

VAN INTERIOR DIMENSIONS

LENGTH : 144"
WIDTH : 90 1/2"
HEIGHT : 76.75"
SQUARE : 90 sq ft
CUBE : 576 cu ft

FUEL DATA

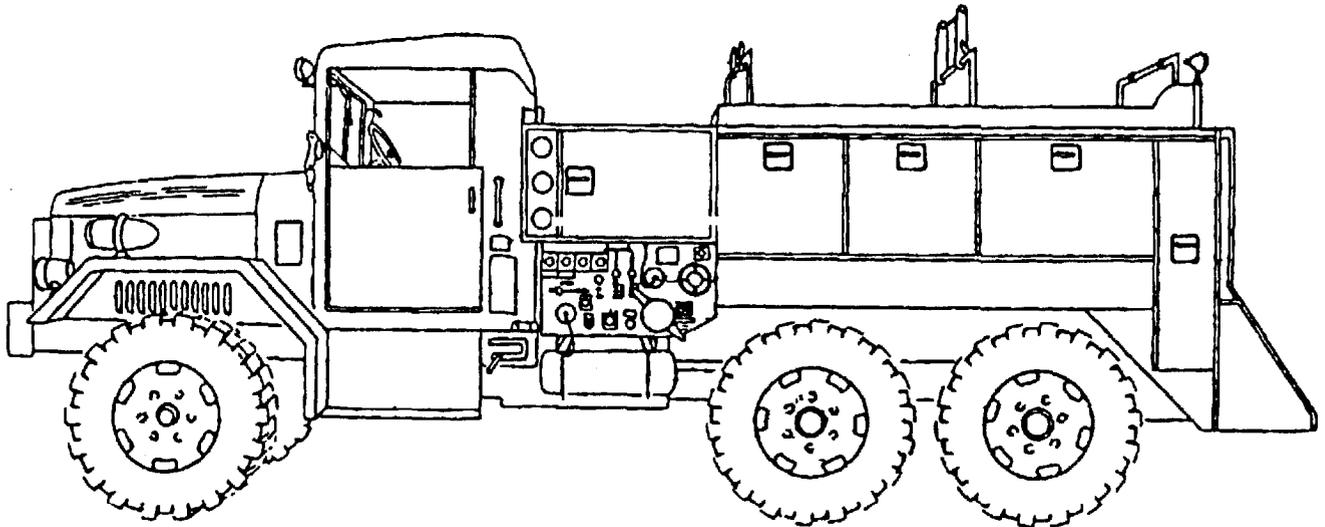
TYPE : Multifuel
TANK CAPACITY: 50 gallons
GALLONS PER HOUR: 5.33
EST RANGE: 450 miles, highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
liquid-cooled, compression
ignition
HP: 140 at 2,600 RPM
TRANSMISSION: 5 speed, manual
TRANSFER CASE: 2 speed, manual
ELECTRICAL SYSTEM: 24 volt,
negative ground, 25 amps
BRAKES : Air-hydraulic

FORDING DEPTH

30" without preparation
72" with deep water fording kit
fitted



TRUCK, FIREFIGHTING, BRUSH, M530CB

The M530CB is one of two firefighting vehicles mounted on the M44 Series 2-1/2 ton truck chassis. It is used to extinguish fires in the field, but is not designed or equipped to fight aircraft or structural fires. The M530CB has the same chassis as the other vehicles of the M44 series, but has an enclosed, hard top cab. Water and foam storage tanks and a 750 GPM pump are mounted in the center behind the cab and firefighting equipment is stored in enclosed compartments facing outboard. The pump feeds fire hoses and can be reversed to rapidly refill the storage tank with water. The M530CB is completely winterized to permit firefighting operations in temperatures as low as -65 degrees Fahrenheit.

LOGISTIC DATA

TAMCN : D1084
 NSN : 4210-00-393-0349
 ID NUMBER: 02955C
 REPLACED BY: B0618, SIXCON
 Tactical Firefighting Equipment

BASIC DIMENSIONS

LENGTH : 279"
 WIDTH : 97"
 HEIGHT : 110"
 SQUARE : 176 sq ft
 CUBE : 1,586 cu ft
 CURB WEIGHT: 18,440 lbs

WHEEL BASE: 154"
 GROUND CLEARANCE: 11"

FUEL DATA

TYPE : Multifuel
 TANK CAPACITY: 50 gallons
 GALLONS PER HOUR: 5.33
 EST RANGE: 450 miles, highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 liquid-cooled, compression
 ignition
 HP: 140 at 2,600 RPM
 TRANSMISSION : 5 speed, manual

TRUCK, FIREFIGHTING, BRUSH, M350CB (CONTINUED)

MECHANICAL DATA (CON'T)

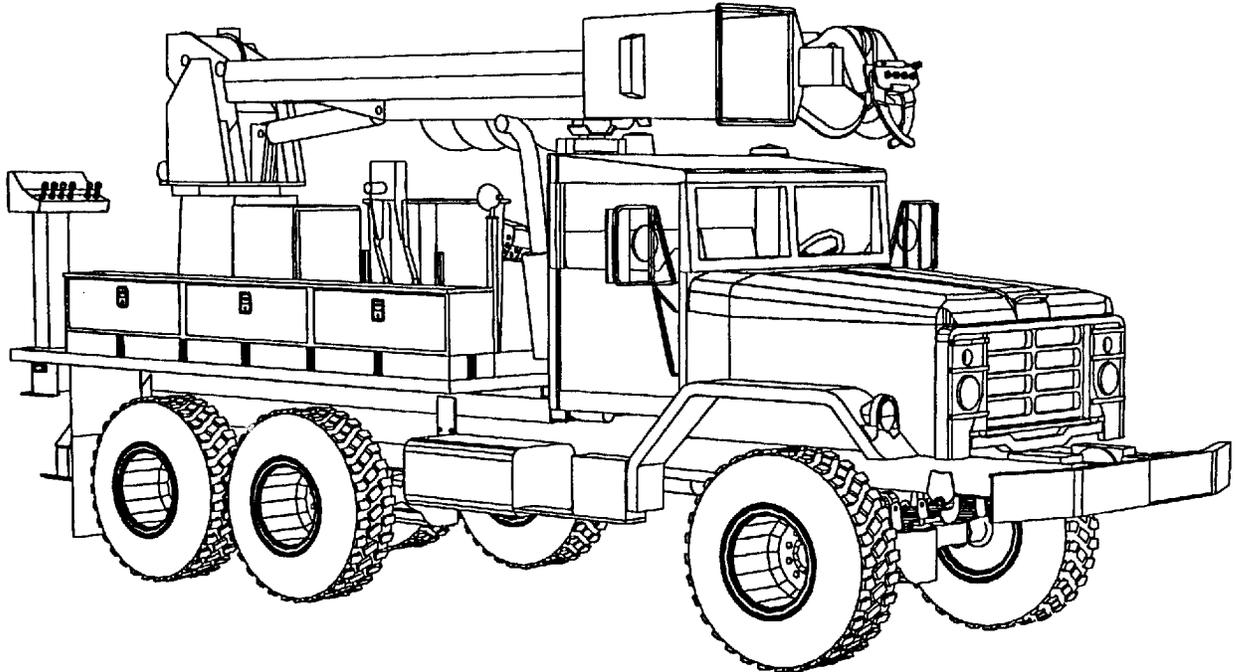
TRANSFER CASE: 2 speed, manual
ELECTRICAL SYSTEM: 24 volt,
negative ground, 25 amps
BRAKES : Air-hydraulic

FORDING DEPTH

30" without preparation
72" with deep water fording kit
fitted

TANK CAPACITY

WATER CAPACITY: 400 gallons
FOAM CAPACITY: 40 gallons



TRUCK, MAINTENANCE, TELEPHONE/UTILITY, CONSTRUCTION,
5 TON, 6x6, M876A1

The M876A1 truck replaces the M876. The M876A1 Telephone Maintenance Truck's mission is to construct and maintain large-scale, rear-echelon military telephone and electric power systems. It consists of a commercial digger derrick assembly mounted directly onto the frame of an M939A1 Series 5-ton, 6x6 cargo truck. As such, the vehicle is considered a variant of the M939A1 Series truck. The M876A1 is capable of operating in cross-country, rough terrain environments as well as primary and secondary roads. The unit is also designed to operate in extreme temperatures such as Arctic weather conditions and desert heat.

The M876A1 is equipped with an ALTEC Industries, INC. D845-TR digger derrick assembly, mounted over the center of the rear axle. The derrick is capable of 360 degree continuous rotation. When utilized as a crane, the maximum load lifting capacity is 12,500 pounds. Hydraulically operated 2nd and 3rd stage boom sections provide a maximum workable height of 45 feet. The derrick assembly also includes the following: transferable boom flares with pole guide, dual fiberglass personnel platforms, 8,000 ft-lb digger, 12/18/24 inch augers, upper and ground level hydraulic tool circuits, 4 foot fiberglass material handling jib, 15,000 pound turret winch, 20,000 pound bed winch, 120V AC outlets, compartments for special tools, and various overload safety systems. Derrick functions can be controlled by the lower main control panel, the remote control, or the upper controls at the boom tip. Stability is provided by one set of A-frame

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outriggers located at the rear of the vehicle. Towing capabilities are the same as M939A1 Series trucks.

LOGISTIC DATA

TAMCN : D1092
NSN : 2320-01-387-5781
ID NUMBER: 10110A

BASIC DIMENSIONS

LENGTH : 332"
WIDTH: 97.4
HEIGHT : 156"
SQUARE : 225 sq ft
CUBE : 2937 cu ft
WEIGHT : 23,365 lbs
WHEEL BASE: 179"
GROUND CLEARANCE: 10.5"

FUEL DATA

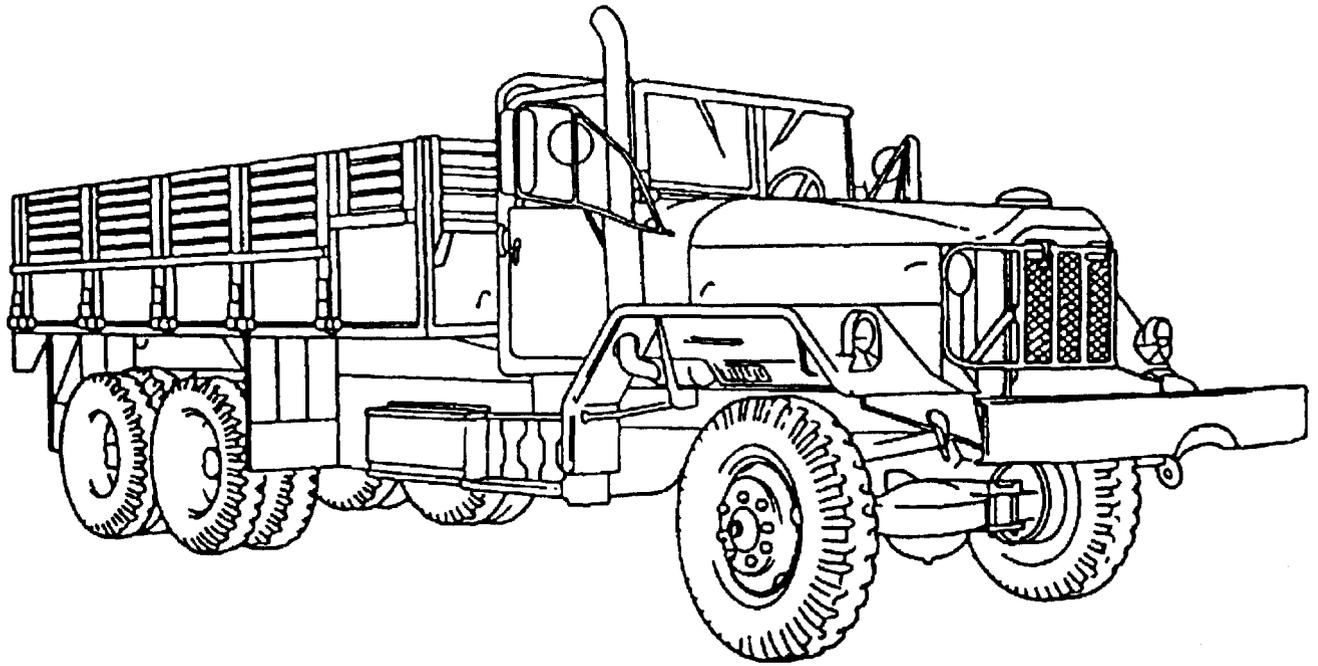
TYPE : Diesel
TANK CAPACITY: 81 gallons
MILES PER GALLON: 4.3
EST RANGE: 350 miles, highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
liquid-cooled, compression
ignition
HP: 250 @ 2,100 rpm
TRANSMISSION : 5 speed automatic
TRANSFER CASE: 2 speed
synchronous
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
(CHASSIS) 12 volt, negative
ground, 20 amp (DERRICK)
BRAKES : Air

FORDING DEPTH

WITHOUT FORDING KIT: 30"
WITH FORDING KIT: 60"



TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITHOUT WINCH, M813A1

The M813A1 truck belongs to the M809 series of 5 ton trucks. It is utilized to transport equipment, material and/or personnel. The truck is a flat bed, open cab, canvas top, general purpose, 6x6 truck retrofitted with Super Single 1400R20 steel belted, non-directional radial tires. The cargo compartment is equipped with hinged, steel sides that can be folded down and out of the way for loading and unloading operations. Removable front and side racks, troop seats and a hinged-tailgate are provided. Bows and a tarpaulin-can be installed if required. A towing pintle is fitted for the towing of various trailers and howitzers.

LOGISTIC DATA

TAMCN : D1059
 NSN : 2320-00-050-8913
 ID NUMBER: 08262A

BASIC DIMENSIONS

LENGTH : 303.7"
 WIDTH : 97.5"
 HEIGHT : 116.8", reducible to 85.1"
 SQUARE : 206 sq ft
 CUBE : 1,458 CU ft
 CURB WEIGHT: 20,455 lbs
 WHEEL BASE: 179"
 GROUND CLEARANCE: 10.5"

MECHANICAL DATA

ENGINE : 6 cylinder, in-line, liquid cooled, compression ignition
 HP: 240 at 2,100 RPM
 TRANSMISSION : 5 speed, manual
 TRANSFER CASE: 2 speed, manual
 ELECTRICAL SYSTEM: 24 volt, negative ground, 60 amps
 BRAKES : Air-hydraulic, drum

CARGO COMPARTMENT

LENGTH : 168"
 WIDTH : 88"
 HEIGHT : 68"
 SQUARE : 103 sq ft

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TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITHOUT WINCH, M813A1
(CONTINUED)

CARGO COMPARTMENT (CON 'T)

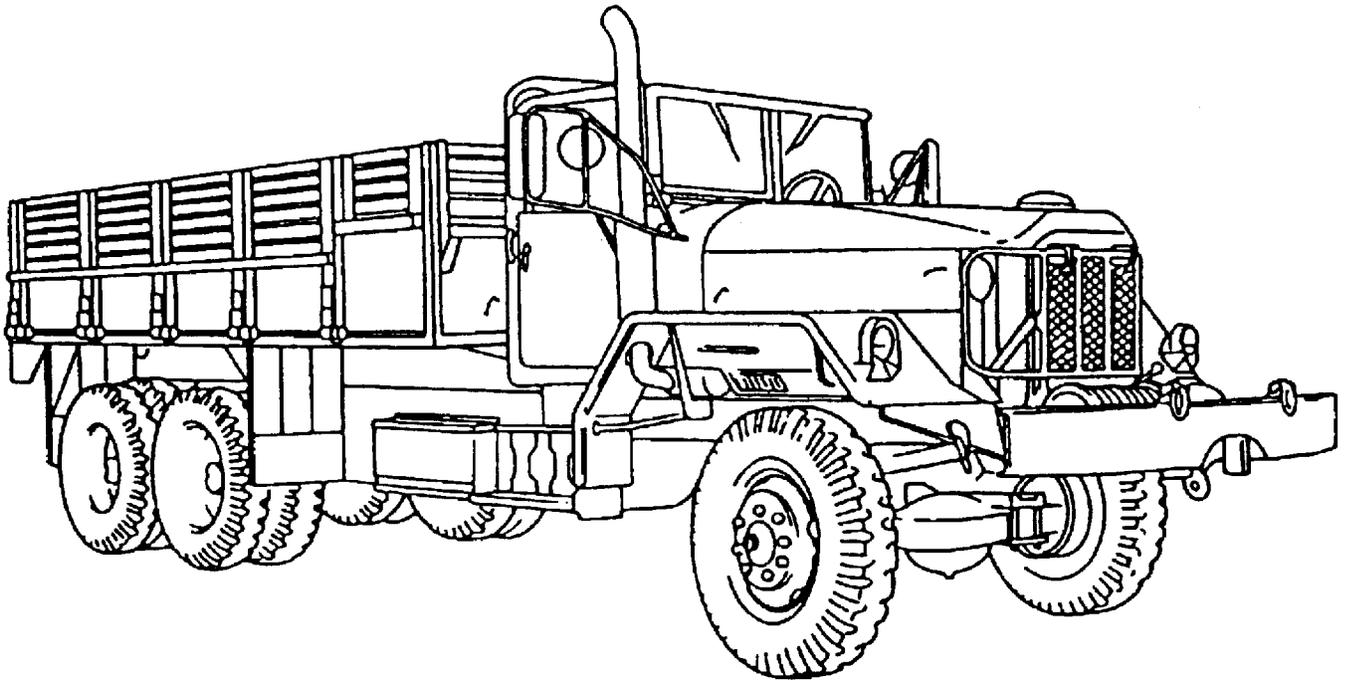
CUBE : 584 CU ft
CAPACITY: 10,000 lbs cross-
country, 20,000 lbs highway

FORDING DEPTH

30" without preparation
7811 with deep water fording kit
fitted

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 78 gallons
GALLONS PER HOUR: 11.5
EST RANGE: 350 miles, highway



TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITH WINCH, M813A1

This version of the M813A1 differs from the other in that it is equipped with a 20,000 pound capacity winch located behind the front bumper. The winch feature affects truck length, weight, shipping dimensions, and angle of approach.

LOGISTIC DATA

TAMCN : D1059
 NSN : 2320-00-050-8905
 ID NUMBER: 08263A

CUBE : 584 CU ft
 CAPACITY: 10,000 lbs cross-country, 20,000 lbs highway

BASIC DIMENSIONS

LENGTH : 319.2"
 WIDTH : 97.5"
 HEIGHT : 116.8", reducible to 85.1"
 SQUARE : 216 sq ft
 CUBE : 1,533 cu ft
 CURB WEIGHT: 21,120 lbs
 WHEEL BASE: 179"
 GROUND CLEARANCE: 10.5"

FUEL DATA

TYPE : Diesel
 TANK CAPACITY: 78 gallons
 GALLONS PER HOUR: 11.5
 EST RANGE: 350 miles, highway

CARGO COMPARTMENT

LENGTH : 168"
 WIDTH : 88"
 HEIGHT : 68"
 SQUARE : 103 sq ft

MECHANICAL DATA

ENGINE : 6 cylinder, in-line liquid cooled, compression ignition
 HP: 240 at 2,100 RPM
 TRANSMISSION: 5 speed, manual
 TRANSFER CASE: 2 speed, manual
 ELECTRICAL SYSTEM: 24 volt, negative ground, 60 amps
 BRAKES : Air-hydraulic, drum

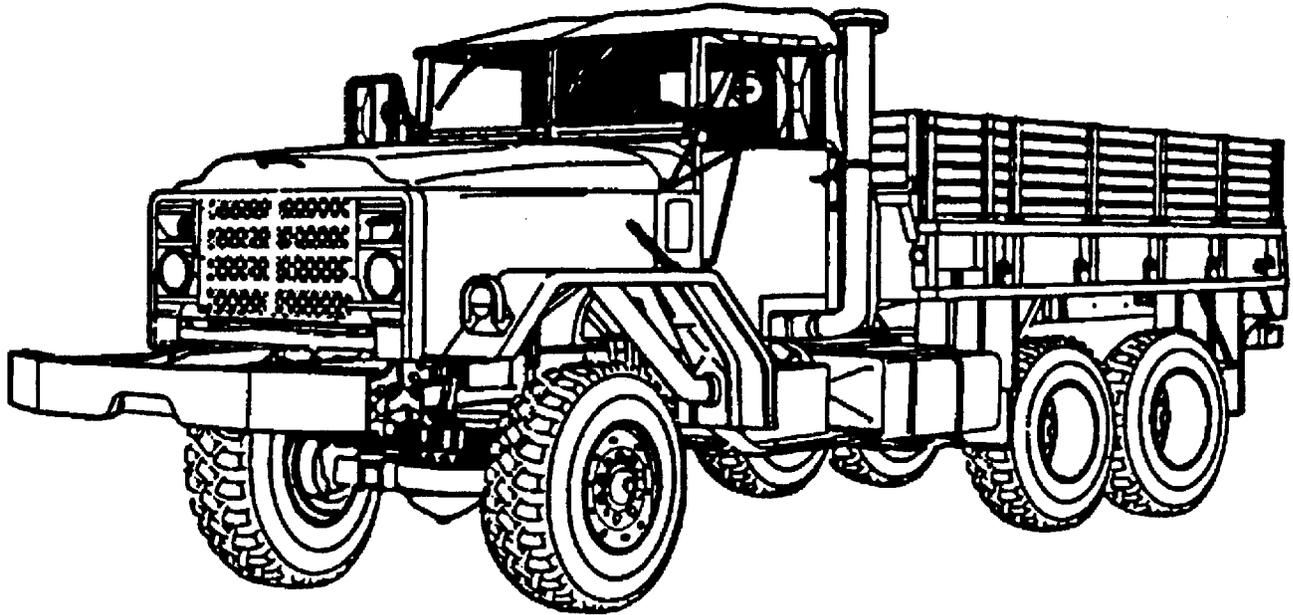
TM 11240-15/4B

TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITH WINCH, M813A1 (CONTINUED)

FORDING DEPTH

30" without preparation

781" with deep water fording kit
fitted



TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITHOUT WINCH, M923A2

The M923A2 is the dropside variant of the M939 series of 5 ton trucks. The M939 series possesses the tilt hood and fender configuration. It is utilized to transport payloads of up to 20,000 pounds on the highway and 10,000 pounds cross-country. The cargo body provides 582 cubic feet of cargo space. The hinged steel sides fold down and away for loading and unloading operations, and troop seats may be positioned for troop movement operations. The tilt hood and fenders provide increased engine access and reduces maintenance time for "under-the-hood" component servicing. A towing pintle is provided for the towing of various trailers and howitzers. The cab of the truck will accommodate a three member crew. The M923A2 is retrofitted with Super Single 1400R20 steel belted, non-directional radial tires.

LOGISTIC DATA

TAMCN : D1059
 NSN : 2320-01-230-0307
 ID NUMBER: 08087A

BASIC DIMENSIONS

LENGTH : 313.2"
 WIDTH : 97"
 HEIGHT : 122.3", reducible to
 93.9"
 SQUARE : 211 Sq ft
 CUBE : 1,651 cu ft
 CURB WEIGHT: 21,740 lbs

WHEEL BASE: 179.5"
 GROUND CLEARANCE: 13.8"

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 turbocharged; aftercooled
 HP: 240 at 2,100 RPM
 TRANSMISSION : 5 speed,
 automatic
 TRANSFER CASE: 2 speed,
 synchronous
 ELECTRICAL SYSTEM: 24 volt,
 negative ground, 60 amps
 BRAKES : Air

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TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITHOUT WINCH, M923A2 (CONTINUED)

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 81 gallons
GALLONS PER HOUR: 11.5
EST RANGE: 350 miles highway

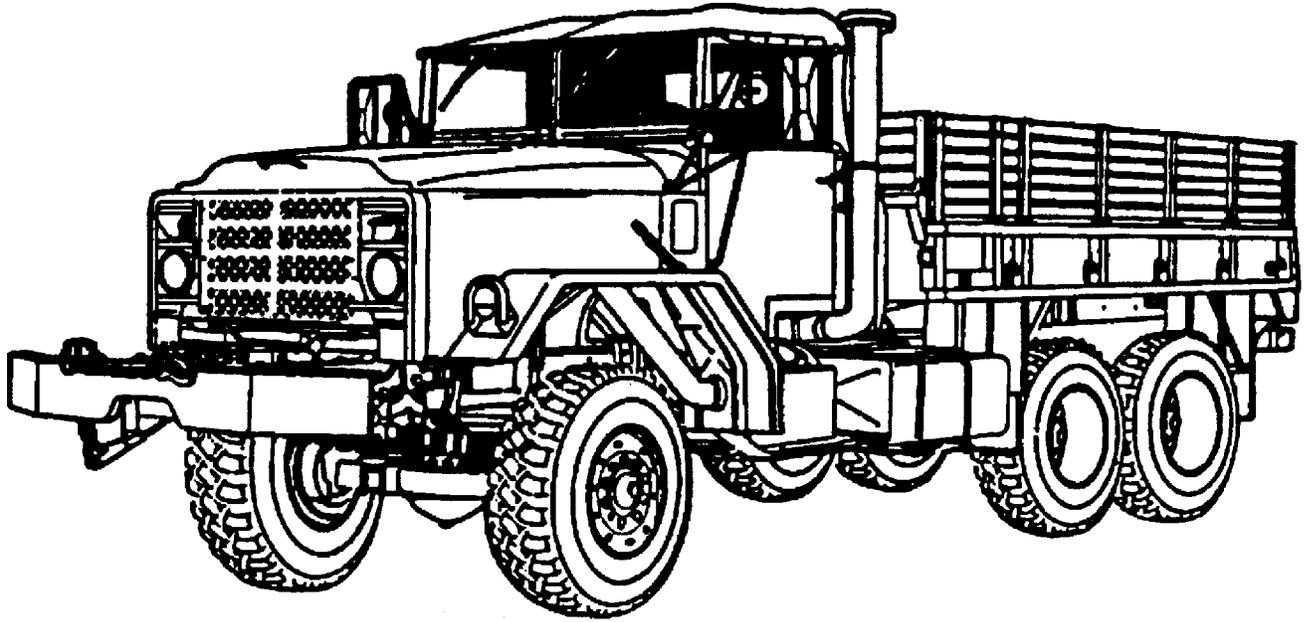
SQUARE : 103 sq ft
CUBE : 582 cu ft
CAPACITY: 10,000 lbs cross-
country, 20,000 lbs highway

CARGO COMPARTMENT

LENGTH : 168"
WIDTH : 88 1/2"
HEIGHT : 68"

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted



TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITH WINCH, M925A2

The basic difference between the M925A2 and M923A2 is the M925A2 has a 20,000 pound capacity winch located behind the front bumper and the M923A2 does not. The winch feature affects truck length, weight, shipping dimensions, and angle of approach.

LOGISTIC DATA

TAMCN : D1059
 NSN : 2320-01-230-0308
 ID NUMBER: 08088A

BASIC DIMENSIONS

LENGTH : 332.0"
 WIDTH: 97"
 HEIGHT : 122.3", reducible to
 93.9"
 SQUARE : 225 sq ft
 CUBE : 1,750 cu ft
 CURB WEIGHT: 22,700 lbs
 WHEEL BASE: 179.5"
 GROUND CLEARANCE: 13.8"

FUEL DATA

TYPE : Diesel
 TANK CAPACITY: 81 gallons
 GALLONS PER HOUR: 11.5
 EST RANGE: 350 miles, highway

CARGO COMPARTMENT

LENGTH : 168"
 WIDTH : 88"
 HEIGHT : 68"
 SQUARE : 103 sq ft
 CUBE : 582 cu ft
 CAPACITY: 10,000 lbs cross-
 country, 20,000 lbs highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 turbocharged; aftercooled
 HP: 240 at 2,100 RPM
 TRANSMISSION : 5 speed,
 automatic
 TRANSFER CASE: 2 speed,
 synchronous
 ELECTRICAL SYSTEM: 24 volt,
 negative ground, 60 amps
 BRAKES : Air

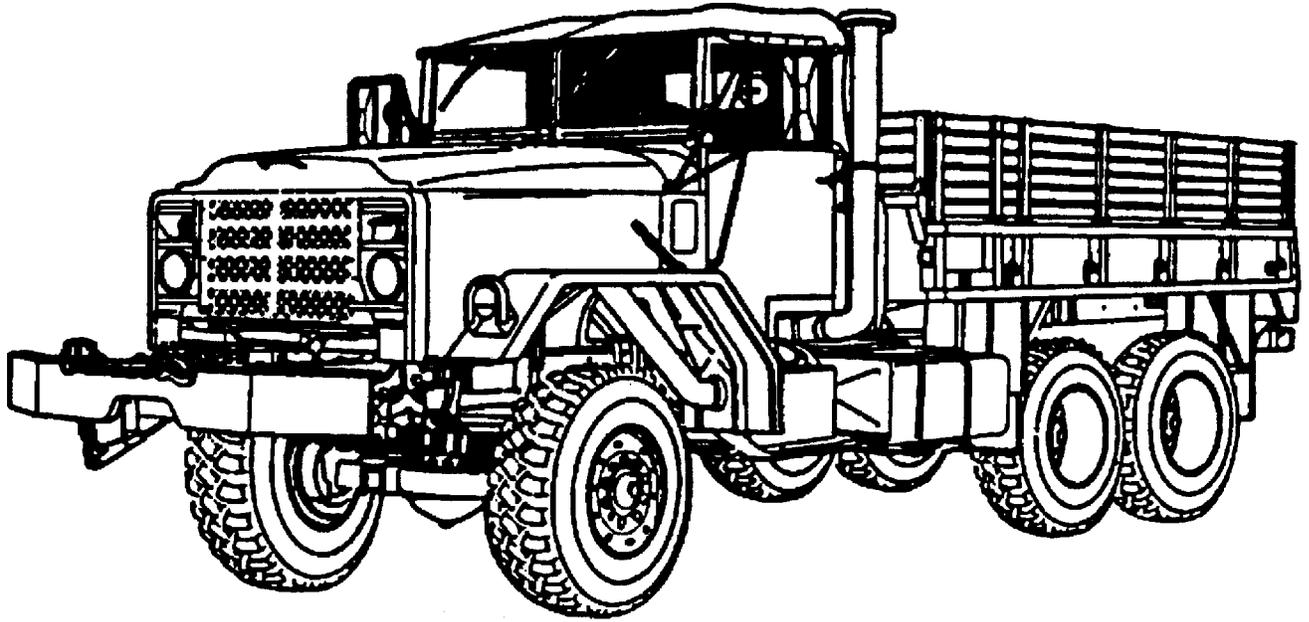
TM 11240-15/4B

TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITH WINCH, M925A2 (CONTINUED)

FORDING DEPTH

30" without preparation

78" with deep water fording kit
fitted



TRUCK, CARGO, DROPSIDE, 5 TON, 6x6, WITH WINCH, M925A2

The basic difference between the M925A2 and M923A2 is the M925A2 has a 20,000 pound capacity winch located behind the front bumper and the M923A2 does not. The winch feature affects truck length, weight, shipping dimensions, and angle of approach.

LOGISTIC DATA

TAMCN : D1059
 NSN : 2320-01-230-0308
 ID NUMBER: 08088A

BASIC DIMENSIONS

LENGTH : 332.0"
 WIDTH: 97"
 HEIGHT : 122.3", reducible to
 93.9"
 SQUARE : 225 sq ft
 CUBE : 1,750 cu ft
 CURB WEIGHT: 22,700 lbs
 WHEEL BASE: 179.5"
 GROUND CLEARANCE: 13.8"

FUEL DATA

TYPE : Diesel
 TANK CAPACITY: 81 gallons
 GALLONS PER HOUR: 11.5
 EST RANGE: 350 miles, highway

CARGO COMPARTMENT

LENGTH : 168"
 WIDTH : 88"
 HEIGHT : 68"
 SQUARE : 103 sq ft
 CUBE : 582 cu ft
 CAPACITY: 10,000 lbs cross-
 country, 20,000 lbs highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 turbocharged; aftercooled
 HP: 240 at 2,100 RPM
 TRANSMISSION : 5 speed,
 automatic
 TRANSFER CASE: 2 speed,
 synchronous
 ELECTRICAL SYSTEM: 24 volt,
 negative ground, 60 amps
 BRAKES : Air

TRUCK, CARGO, 5 TON, EXTRA LONG WHEEL BASE, 6x6,
WITHOUT WINCH, M814 (CONTINUED)

MECHANICAL DATA (CON'T)

TRANSMISSION: 5 speed, manual
TRANSFER CASE: 2 speed, manual
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Air-hydraulic, drum

CARGO COMPARTMENT

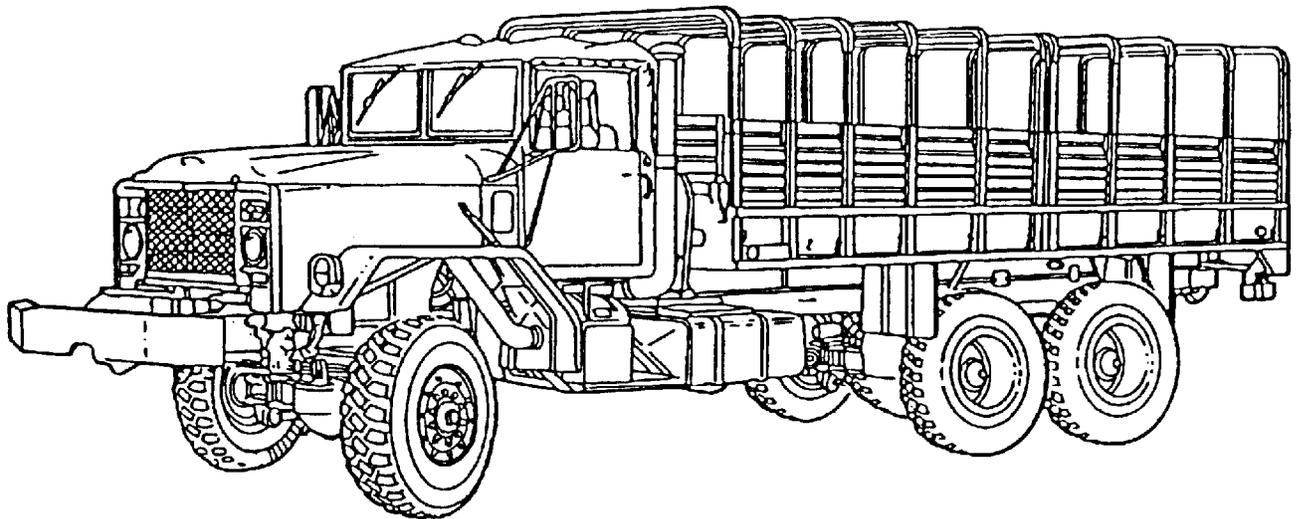
LENGTH : 244"
WIDTH : 88"
HEIGHT : 68"
SQUARE : 149 sq ft
CUBE : 844 cu ft
CAPACITY: 10,000 lbs cross-
country, 20,000 lbs highway

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 78 gallons
GALLONS PER HOUR: 11.5
EST RANGE: 350 miles, highway

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted



TRUCK, CARGO, 5 TON, EXTRA LONG WHEEL BASE, 6x6,
WITHOUT WINCH, M927A2

The M927A2 truck is the extra long wheel base (XLWB) model of the M939 series of 5 ton trucks. It is utilized to transport equipment, material, personnel and HAWK missile system components. The M927A2 is a flat bed, open cab, canvas top truck with permanent steel-welded sides which makes it a preferred truck for transporting bulky payloads that may shift in transit. The M927A2 has a spare wheel carrier that is mounted to the truck siderail at the rear of the chassis. Two front and rear shackles provide a ready means for lifting the vehicle for transport. The M927A2 is not suited for operations that require easy side access to cargo and it is further unsuitable for operations requiring maneuverability in limited spaces because of its longer cargo compartment. This truck operates on all types of roads, cross-country terrain and in all weather conditions. The M927A2 is retrofitted with Super Single 1400R20 steel belted, non-directional radial tires.

LOGISTIC DATA

TAMCN : D1061
NSN : 2320-01-230-0309
ID NUMBER: 08226A

HEIGHT : 123.4", reducible to
93.5"

SQUARE : 262 sq ft

CUBE : 2,044 cu ft

CURB WEIGHT: 24,660 lbs

WHEEL BASE: 215"

GROUND CLEARANCE: 13.3"

BASIC DIMENSIONS

LENGTH : 385.5'

WIDTH: 98.0"

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TRUCK, CARGO, 5 TON, EXTRA LONG WHEEL BASE, 6x6, WITHOUT WINCH, M927A2
(CONTINUED)

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
turbocharged, aftercooled
HP: 240 at 2,100 RPM
TRANSMISSION: 5 speed,
automatic
TRANSFER CASE: 2 speed,
synchronous
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Air

HEIGHT : 68"
SQUARE : 149 sq ft
CUBE : 845 cu ft
CAPACITY: 10,000 lbs cross-
country, 20,000 lbs highway

FUEL DATA

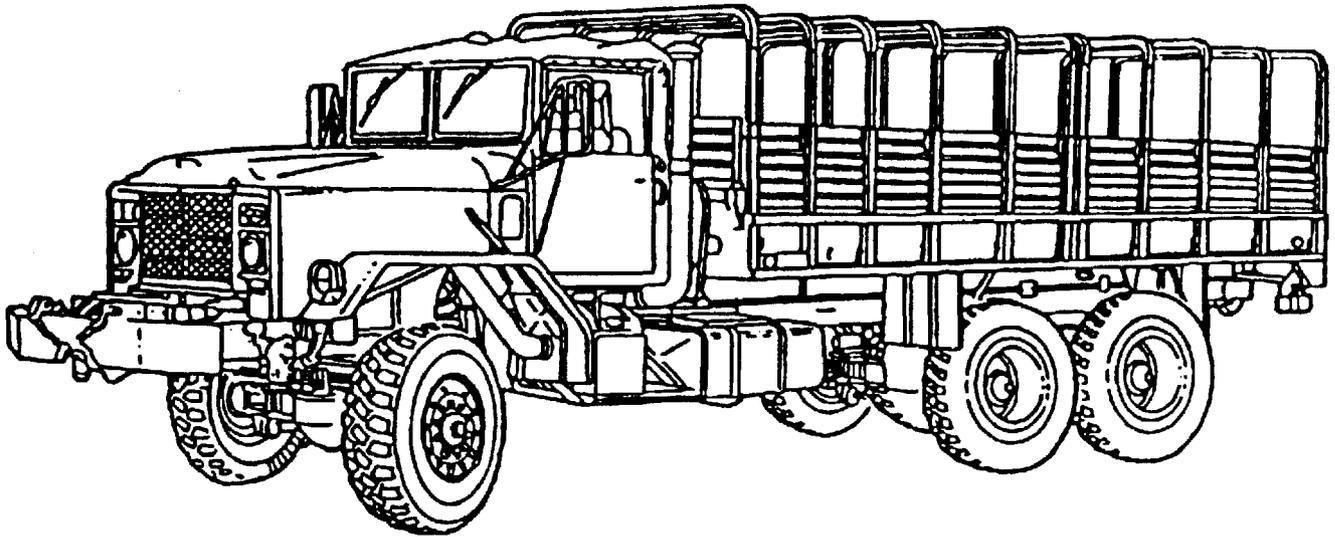
TYPE : Diesel
TANK CAPACITY: 81 gallons
GALLONS PER HOUR: 11.5
EST RANGE: 350 miles, highway

CARGO COMPARTMENT

LENGTH : 244"
WIDTH : 88"

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted



TRUCK, CARGO, 5 TON, EXTRA LONG WHEEL BASE, 6x6,
WITH WINCH, M928A2

The basic difference between the M928A2 and M927A2 is that the M928A2 has a 20,000 pound capacity winch located behind the front bumper and the M927A2 does not. The winch feature affects truck length, weight, shipping dimensions, and angle of approach.

LOGISTIC DATA

TAMCN : D1061
NSN : 2320-01-230-0310
ID NUMBER: 08214A

BASIC DIMENSIONS

LENGTH : 410.4"
WIDTH : 98.0"
HEIGHT : 123.4", reducible to
93.5"
SQUARE : 279 sq ft
CUBE : 2,176 cu ft
CURB WEIGHT: 25,620 lbs
WHEEL BASE: 215"
GROUND CLEARANCE: 13.3"

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 81 gallons
GALLONS PER HOUR: 11.5
EST RANGE: 350 miles, highway

CARGO COMPARTMENT

LENGTH : 244"
WIDTH : 88"
HEIGHT : 68"
SQUARE : 149 sq ft
CUBE : 845 cu ft
CAPACITY: 10,000 lbs cross-
country, 20,000 lbs highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
turbocharged, aftercooled
HP: 240 at 2,100 RPM
TRANSMISSION : 5 speed,
automatic
TRANSFER CASE: 2 speed,
synchronous

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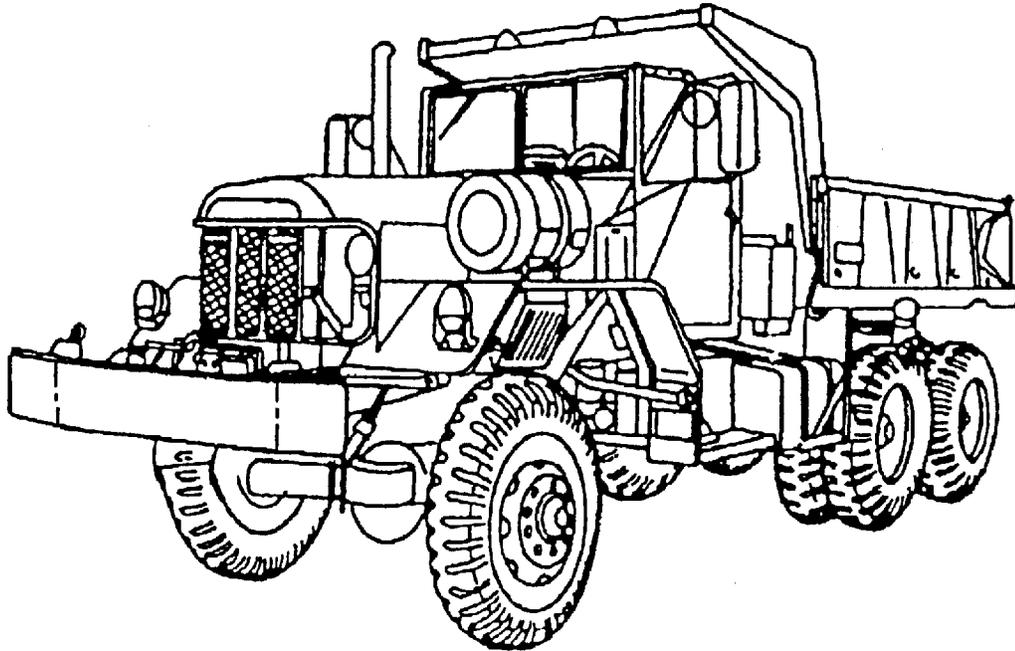
TRUCK, CARGO, 5 TON, EXTRA LONG WHEEL BASE, 6x6,
WITH WINCH, M928A2 (CONTINUED)

MECHANICAL DATA (CON'T)

ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Air

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted



TRUCK, DUMP, 5 TON, 6x6, WITHOUT WINCH, M817

The M817 is the dump truck variant of the M809 series of 5 ton trucks. This truck is utilized to transport various materials. The M817 operates with load limits up to 20,000 pounds on the highway and 10,000 pounds cross-country. Fully loaded, this truck can tow trailers with additional loads up to 30,000 pounds on highways and 15,000 pounds cross-country. It is equipped with a steel welded dump body which extends up and over the truck cab to prevent damage during loading. This truck is equipped with dual fuel tanks which extends the cruising range to 400 miles with loads and 480 miles empty. The M817 can operate as a regular rocker type or spreader type dump by placing the tailgate into various positions.

LOGISTIC DATA

TAMCN : D1072
 NSN : 2320-00-050-8970
 ID NUMBER: 00659C

BASIC DIMENSIONS

LENGTH : 273"
 WIDTH : 97.5"
 HEIGHT : 112.1"
 SQUARE : 185 sq ft
 CUBE : 1,303 cu ft
 CURB WEIGHT: 23,090 lbs
 WHEEL BASE: 167"
 GROUND CLEARANCE: 10.5"

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 liquid cooled, compression
 ignition
 HP: 240 at 2,100 RPM
 TRANSMISSION: 5 speed, manual
 TRANSFER CASE: 2 speed, manual
 ELECTRICAL SYSTEM: 24 volt,
 negative ground, 60 amps
 BRAKES : Air-hydraulic, drum

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TRUCK, DUMP, 5 TON, 6x6, WITHOUT WINCH, M817 (CONTINUED)

CARGO COMPARTMENT

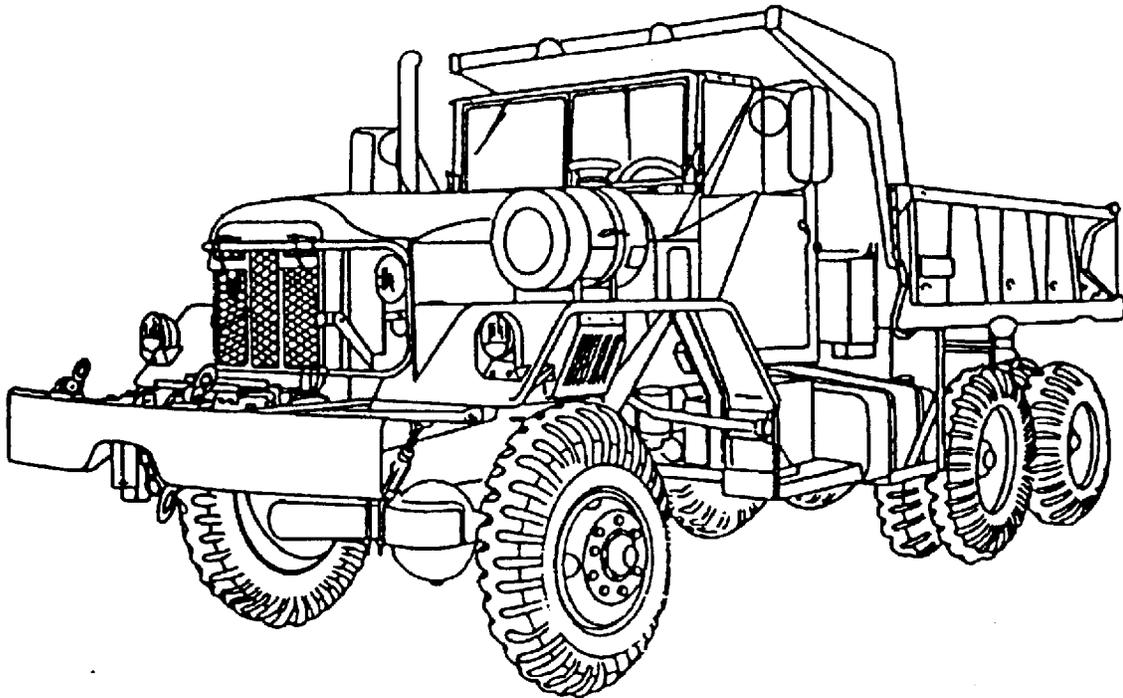
LENGTH : 125"
WIDTH : 82"
HEIGHT : 23"
SQUARE : 71 sq ft
CUBE : 135 cu ft
CAPACITY: 10,000 lbs cross-
country, 20,000 lbs highway

FUEL DATA

TYPE : Diesel
DUAL TANK CAPACITY: 110 gallons
GALLONS PER HOUR: 11.5
EST RANGE: 440 miles, highway

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted



TRUCK, DUMP, 5 TON 6x6, WITH WINCH, M817

This version of the M817 differs from the other in that it is equipped with a 20,000 pound capacity winch located behind the front bumper. The winch feature affects truck length, weight, shipping dimensions, and angle of approach.

LOGISTIC DATA

TAMCN : D1072
 NSN : 2320-00-051-0589
 ID NUMBER: 00659D

BASIC DIMENSIONS

LENGTH : 288.5"
 WIDTH : 97.5"
 HEIGHT : 112.1"
 SQUARE : 195 sq ft
 CUBE : 1,377 cu ft
 CURB WEIGHT: 23,755 lbs
 WHEEL BASE
 GROUND CLEARANCE: 10.5"

FUEL DATA

TYPE : Diesel
 DUAL TANK CAPACITY: 110 gallons
 GALLONS PER HOUR : 11.5
 EST RANGE: 440 miles, highway

CARGO COMPARTMENT

LENGTH : 125"
 WIDTH : 82"
 HEIGHT : 23"
 SQUARE : 71 sq ft
 CUBE : 135 cu ft
 CAPACITY: 10,000 lbs cross-country, 20,000 lbs highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line, liquid cooled, compression ignition
 HP: 240 at 2,100 RPM
 TRANSMISSION: 5 speed, manual
 TRANSFER CASE: 2 speed, manual
 ELECTRICAL SYSTEM: 24 volt, negative ground, 60 amps
 BRAKES : Air-hydraulic, drum

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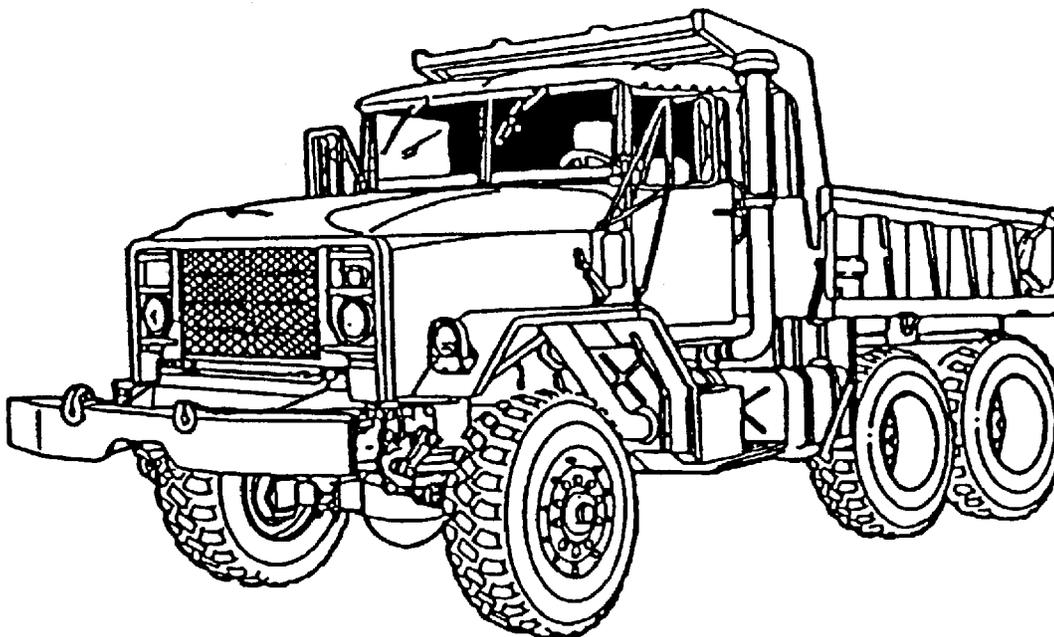
TRUCK, DUMP, 5 TON 6x6, WITH WINCH, M817 (CONTINUED)

FORDING DEPTH

30" without preparation

78" with deep water fording kit

fitted



TRUCK, DUMP, 5 TON, 6x6, WITHOUT WINCH, M929A2

The M929A2 is the dump truck variant of the M939 series of 5 ton trucks. The M929A2 is utilized to transport various materials. This truck operates with load limits up to 20,000 pounds on the highway and 10,000 pounds cross-country. Fully loaded, this truck can tow trailers with additional loads up to 30,000 pounds on highways and 15,000 pounds cross-country. It is equipped with a steel welded dump body which extends up and over the vehicle cab to prevent damage during loading. The truck is equipped with dual fuel tanks which extends the cruising range to 400 miles with loads and 480 miles empty. This truck can operate as a regular rocker type or spreader type dump by placing the tailgate into various positions.

LOGISTIC DATA

TAMCN : D1072
 NSN : 2320-01-230-0305
 ID NUMBER: 08394A

BASIC DIMENSIONS

LENGTH : 274.8"
 WIDTH : 97.0"
 HEIGHT : 124.4"
 SQUARE : 186 sq ft
 CUBE : 1,448 cu ft
 CURB WEIGHT: 24,000 lbs
 WHEEL BASE: 167"
 GROUND CLEARANCE: 12.8"

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 turbocharged, aftercooled
 HP: 240 at 2,100 RPM
 TRANSMISSION : 5 speed,
 automatic
 TRANSFER CASE: 2 speed,
 synchronous
 ELECTRICAL SYSTEM: 24 volt,
 negative ground, 60 amps
 BRAKES : Air

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TRUCK, DUMP, 5 TON, 6x6, WITHOUT WINCH, M929A2 (CONTINUED)

FUEL DATA

TYPE : Diesel
DUAL TANK CAPACITY: 116 gallons
GALLONS PER HOUR: 11.5
EST RANGE: 480 miles, highway

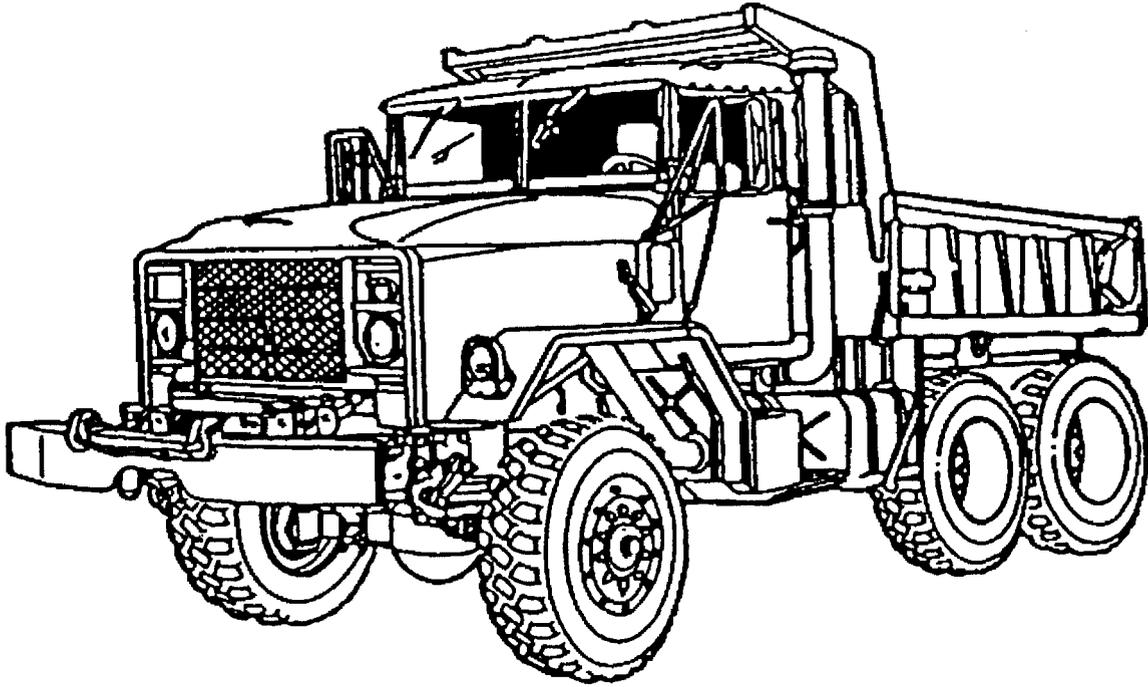
SQUARE : 71 sq ft
CUBE : 136 cu ft
CAPACITY: 10,000 lbs cross-
country, 20,000 lbs highway

CARGO COMPARTMENT

LENGTH : 125"
WIDTH : 81.9"
HEIGHT : 23"

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted



TRUCK, DUMP, 5 TON, 6x6, WITH WINCH, M930A2

The basic difference between the M930A2 and the M929A2 is that the M930A2 has a 20,000 pound capacity winch located behind the front bumper and the M929A2 does not. The winch feature affects truck length, weight, shipping dimensions, and angle of approach.

LOGISTIC DATA

TAMCN : D1072
 NSN : 2320-01-230-0306
 ID NUMBER: 08689A

BASIC DIMENSIONS

LENGTH : 294.5"
 WIDTH : 97.0"
 HEIGHT : 124.4"
 SQUARE : 199 sq ft
 CUBE : 1,552 cu ft
 CURB WEIGHT: 24,960 lbs
 WHEEL BASE
 GROUND CLEARANCE : 12.8"

FUEL DATA

TYPE : Diesel
 DUAL TANK CAPACITY: 116 gallons
 GALLONS PER HOUR : 11.5
 EST RANGE: 480 miles, highway

CARGO COMPARTMENT

LENGTH : 125"
 WIDTH : 81.9"
 HEIGHT : 23"
 SQUARE : 71 sq ft
 CUBE : 136 cu ft
 CAPACITY: 10,000 lbs cross-country, 20,000 lbs highway

MECHANICAL DATA

ENGINE : 6 cylinder, in-line, turbocharged, aftercooled
 HP: 240 at 2,100 RPM
 TRANSMISSION : 5 speed, automatic
 TRANSFER CASE: 2 speed, synchronous
 ELECTRICAL SYSTEM: 24 volt, negative ground, 60 amps
 BRAKES : Air

TM 11240-15/4B

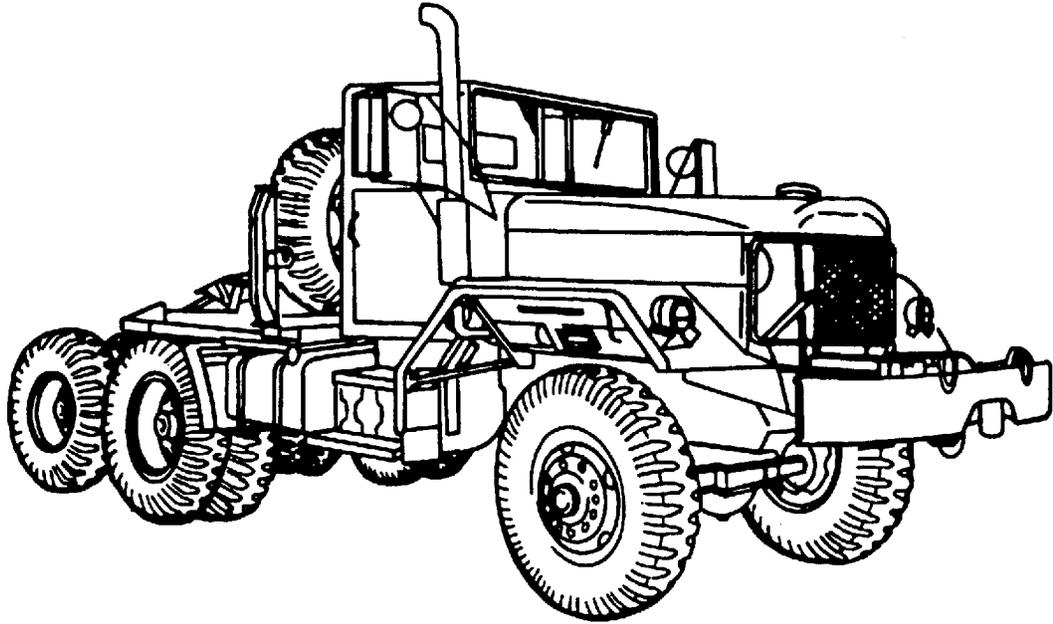
TRUCK, DUMP, 5 TON, 6x6, WITH WINCH, M930A2 (CONTINUED)

FORDING DEPTH

30" without preparation

78" with deep water fording kit

fitted



TRUCK, TRACTOR, 5 TON, M818

The M818 is a product improvement of the M52A2 5 ton tractor truck. It is the tractor model of the M809 Series of 5 ton trucks. The M818 is an open cab, canvas top, 6x6 wheel drive vehicle used to tow trailers and semitrailers. The M818 has the same chassis as other models of the M809 Series of 5 ton trucks and is fitted with a fifth wheel assembly, a towing pintle, approach plates, and a deck plate on the rear of the chassis. It is capable of operation on all types of roads, cross-country terrain, and in all weather conditions. The M818 has cross-country mobility, but its ability to tow semitrailers cross-country is limited by the narrow articulation of the fifth wheel.

LOGISTICS DATA

TAMCN : D1134
 NSN : 2320-00-050-8984
 ID NUMBER: 08325A
 REPLACES: D1130, 5 Ton Truck,
 M52A2

FUEL DATA

TYPE : Diesel
 TANK CAPACITY: 110 gallons
 GALLONS PER HOUR: 11.5
 EST RANGE: 480 miles, highway,
 bobtail

BASIC DIMENSIONS

LENGTH : 266"
 WIDTH : 98"
 HEIGHT : 116", reducible to 861"
 SQUARE : 180 sq ft
 CUBE : 1,476 cu ft
 CURB WEIGHT: 20,290 lbs
 WHEEL BASE: 167"
 GROUND CLEARANCE: 10.6"

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 liquid-cooled, compression
 ignition
 HP: 240 at 2,100 RPM
 TRANSMISSION: 5 speed, manual
 TRANSFER CASE: 2 speed, manual

TRUCK, TRACTOR, 5 TON, M818 (CONTINUED)

MECHANICAL DATA (CON'T)

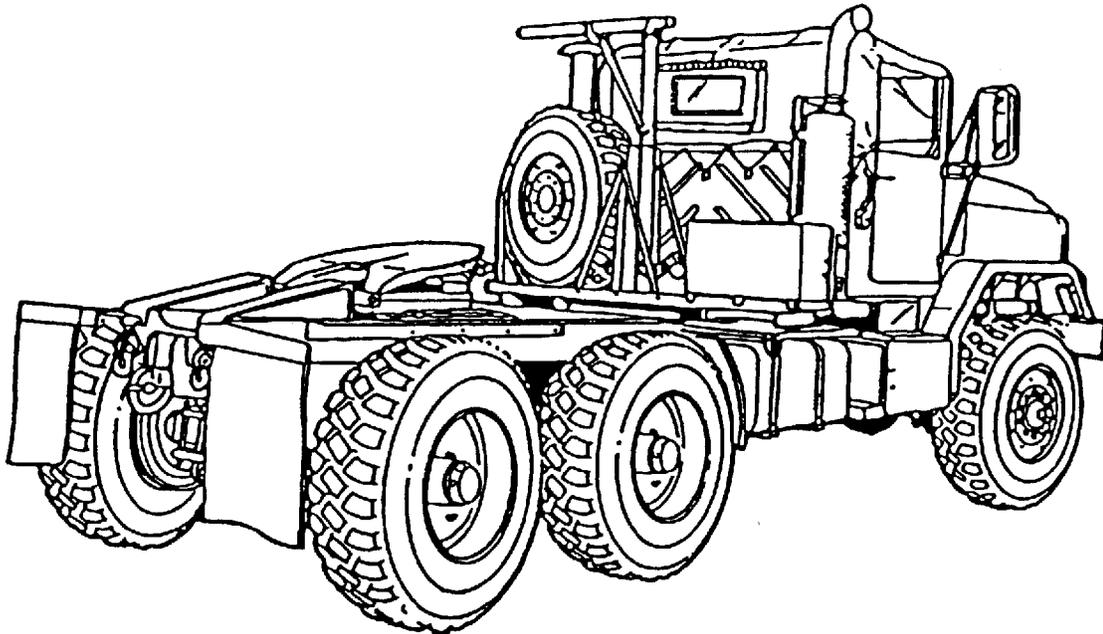
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Air-hydraulic

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted

TOWING CAPACITY

37,500 lbs cross-country,
55,000 lbs highway



TRUCK, TRACTOR, 5 TON, 6x6, WITHOUT WINCH, M931A2

The M931A2 is a tractor variant of the M939 series of 5 ton trucks. It is equipped with a fifth wheel used to tow semitrailers with loads up to 37,500 pounds cross-country and 55,000 pounds on highways. This truck is equipped with a pintle hook for hauling eye-hook trailer loads. Fully loaded, the M931A2 is capable of a maximum cruising range of 300 miles. The fifth wheel cannot pivot more than 21 degrees up, 15 degrees down or 7 degrees sideways. For this reason, semitrailer operations cross-country are limited to easy grades over known terrain.

LOGISTIC DATA

TAMCN : D1134
 NSN : 2320-01-230-0302
 ID NUMBER: 08085A

BASIC DIMENSIONS

LENGTH : 264.5"
 WIDTH : 97.4"
 HEIGHT : 121.2", reducible to 94.1"
 SQUARE : 179 sq ft
 CUBE : 1,403 cu ft
 CURB WEIGHT: 19,895 lbs
 WHEEL BASE: 167"
 GROUND CLEARANCE: 13.1"

MECHANICAL DATA

ENGINE : 6 cylinder, in-line, turbocharged, aftercooled
 HP: 240 at 2,100 RPM
 TRANSMISSION: 5 speed, automatic
 TRANSFER CASE: 2 speed, synchronous
 ELECTRICAL SYSTEM: 24 volt, negative ground, 60 amps
 BRAKES : Air

FUEL DATA

TYPE : Diesel
 DUAL TANK CAPACITY: 116 gallons
 GALLONS PER HOUR: 11.5
 EST RANGE: 500 miles, highway, bobtail

TM 11240-15/4B

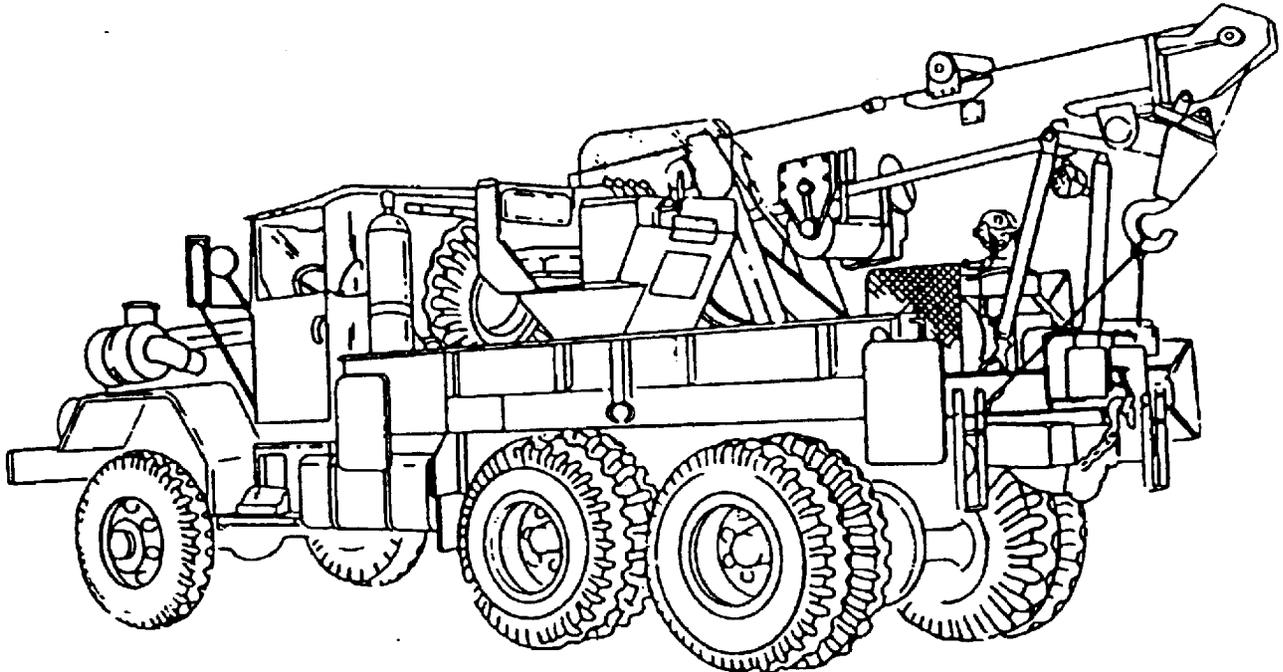
TRUCK, TRACTOR, 5 TON, 6x6, WITHOUT WINCH, M931A2 (CONTINUED)

TOWING CAPACITY-FIFTH WHEEL

37,500 lbs cross-country
55,000 lbs highway

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted



TRUCK, WRECKER, MEDIUM, 5 TON, 6x6, WITH WINCH, M816

The M816 is the wrecker variant of the M809 series of 5 ton trucks. The wrecker is utilized to return disabled trucks for repair and to free mired trucks. It is equipped with a hydraulically powered, engine driven crane, drive shaft-driven front winch, and rear winch. The front winch is used mainly to free the wrecker when it becomes mired, or to assist the rear winch by acting as an anchor point. The rear crane is used for lifting loads up to 20,000 pounds. The crane is utilized in operations such as removing and replacing engines, power packs and gun tubes. For safety reasons, the front winch is restricted to a maximum load of 9,500 pounds.

LOGISTIC DATA

TAMCN : D1212
 NSN : 2320-00-051-0489
 ID NUMBER: 08324A

BASIC DIMENSIONS

LENGTH : 356.2"
 WIDTH : 97.5"
 HEIGHT : 111.8" reducible to
 108.2"
 SQUARE : 241 sq ft
 CUBE : 2,175 cu ft
 CURB WEIGHT: 36,129 lbs
 WHEEL BASE 179"
 GROUND CLEARANCE 10.5"

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 liquid cooled, compression
 ignition
 HP: 240 at 2,100 RPM
 TRANSMISSION : 5 speed, manual
 TRANSFER CASE: 2 speed, manual
 ELECTRICAL SYSTEM: 24 volt,
 negative ground, 60 amps
 BRAKES : Air-hydraulic, drum

FUEL DATA

TYPE : Diesel
 TANK CAPACITY: 133 gallons
 GALLONS PER HOUR: 13
 EST RANGE: 585 miles, highway

TM 11240-15/4B

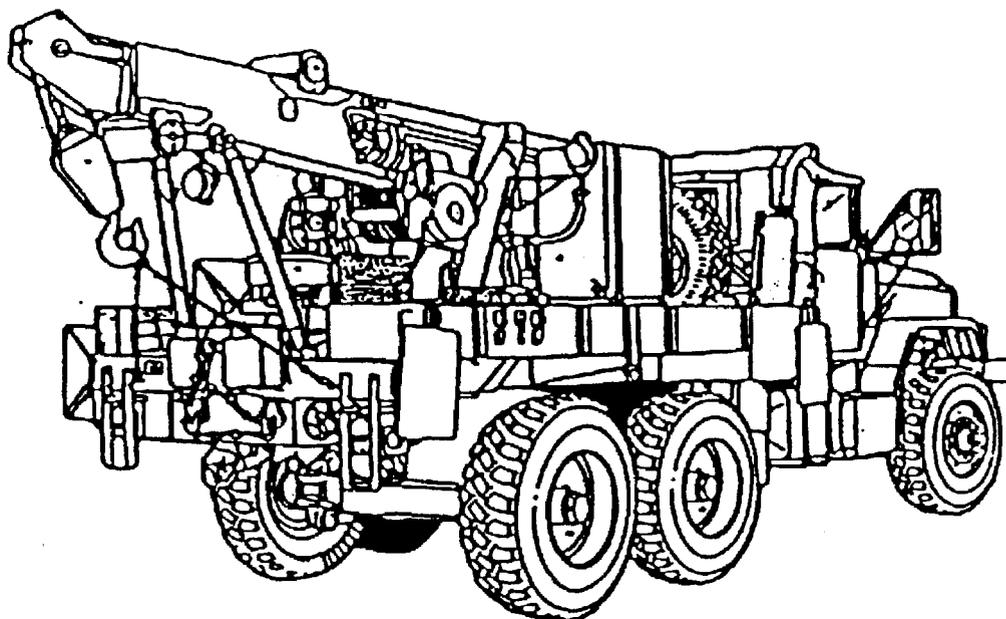
TRUCK, WRECKER, MEDIUM, 5 TON, 6x6, WITH WINCH, M816 (CONTINUED)

TOWING CAPACITY

20,000 lbs cross-country,
30,000 lbs highway

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted



TRUCK, WRECKER, MEDIUM, 5 TON, 6x6, WITH WINCH, M936A2

The M936A2 is the wrecker variant of the M939 series of 5 ton trucks. The wrecker is utilized to return disabled trucks for repair and to free mired trucks. It is equipped with a hydraulically powered, engine driven crane, a shaft-driven front winch, and rear winch. The front winch is used mainly to free the wrecker when it becomes mired, or to assist the rear winch by acting as an anchor point. The crane, which can be extended from 10 to 18 feet, is used for lifting loads up to 20,000 pounds. The crane is utilized in operations such as removing and replacing engines, power packs and gun tubes for safety reasons. The front winch is restricted to a maximum load of 9,500 pounds. The M936A2 is retrofitted with Super Single 1400R20 steel belted, on-directional radial tires.

LOGISTIC DATA

TAMCN : D1212
 NSN : 2320-01-230-0304
 ID NUMBER: 08086A

CURB WEIGHT: 36,910 lbs
 WHEEL BASE: 179"
 GROUND CLEARANCE: 13.9"

BASIC DIMENSIONS

LENGTH : 362"
 WIDTH : 97.4"
 HEIGHT : 120.0", reducible to
 108.5"
 SQUARE : 246 sq ft
 CUBE : 2,203 cu ft

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
 turbocharged, aftercooled
 HP: 240 at 2,100 RPM
 TRANSMISSION : 5 speed,
 automatic

TM 11240-15/4B

TRUCK, WRECKER, MEDIUM, 5 TON, 6x6, WITH WINCH, M936A2 (CONTINUED)

MECHANICAL DATA (CON'T)

TRANSFER CASE: 2 speed,
synchronous
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Air

TOWING CAPACITY

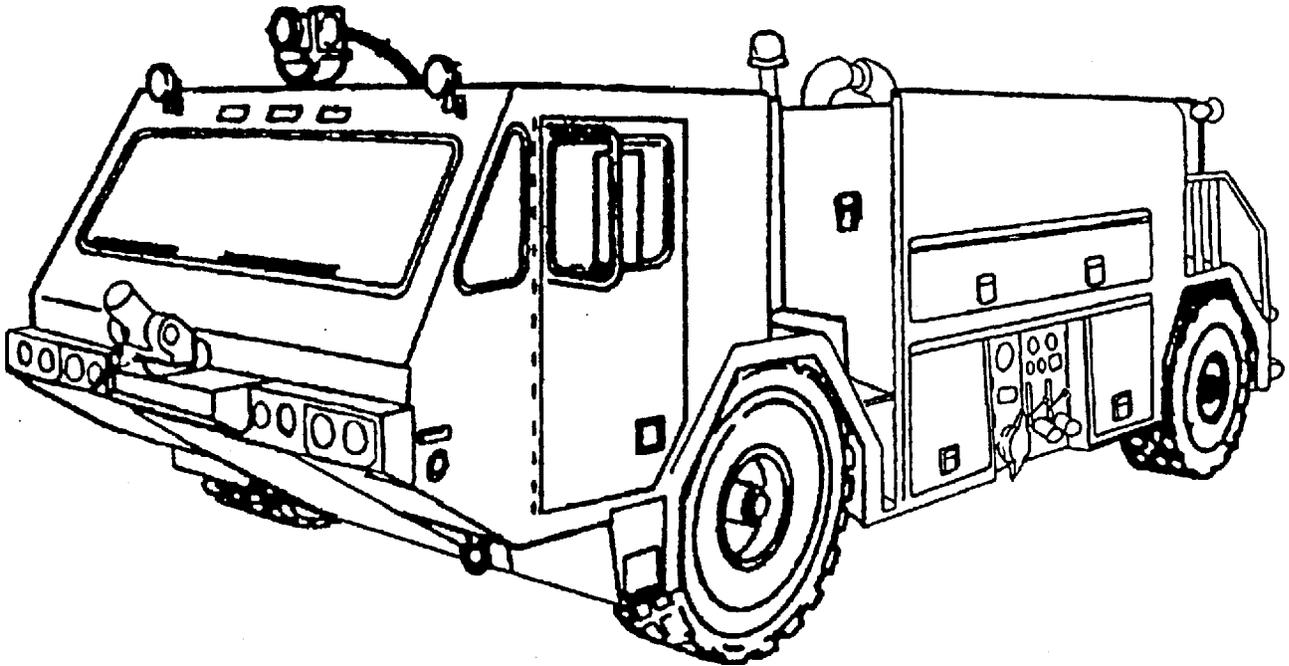
20,000 lbs cross-country
30,000 lbs highway

FORDING DEPTH

30" without preparation
78" with deep water fording kit
fitted

FUEL DATA

TYPE : Diesel
DUAL TANK CAPACITY: 139 gallons
GALLONS PER HOUR: 13
EST RANGE: 500 miles, highway



TRUCK, FIREFIGHTING, AIRCRAFT CRASH AND STRUCTURE FIRE,
A/S32P-19A

The A/S32P-19A is primarily designed for aircraft crash and rescue operations. By rapidly discharging fire retardant agents on a crash site, the truck can put out fires within seconds after arrival. This vehicle can also be used to fight other types of fires such as brush and structural fires. The truck contains its own pressure pump and fire fighting equipment. Water, foam and Halon are carried in tanks built into the truck body. Water or a combination of water and foam can be used to extinguish a fire. Agents are delivered through the cab mounted roof turret, the bumper turret or the handline. These can be used alone or at the same time. The Halon system uses its own handline. The truck is fully enclosed, insulated and winterized.

LOGISTIC DATA

TAMCN : D1064
NSN : 4210-01-137-9943
ID NUMBER: 08674A

BASIC DIMENSIONS

LENGTH : 325"
WIDTH : 96"
HEIGHT : 120", reducible to 102"
SQUARE : 217 sq ft
CURB WEIGHT: 24,260 lbs
CUBE : 2,166 cu ft
WHEEL BASE: 170"

GROUND CLEARANCE: 13"
GVW : 33,600 lbs

MECHANICAL DATA

ENGINE : 6 cylinder, in-line,
liquid cooled compression
ignition
HP: 400 at 2,100 RPM
TRANSMISSION : 5 speed,
automatic
TRANSFER CASE: single speed
ELECTRICAL SYSTEM: 24 volt,
negative ground, 100 amps
BRAKES : Air

TM 11240-15/4B

TRUCK, FIREFIGHTING, AIRCRAFT CRASH AND STRUCTURE FIRE,
A/S32P-19A (CONTINUED)

FUEL DATA

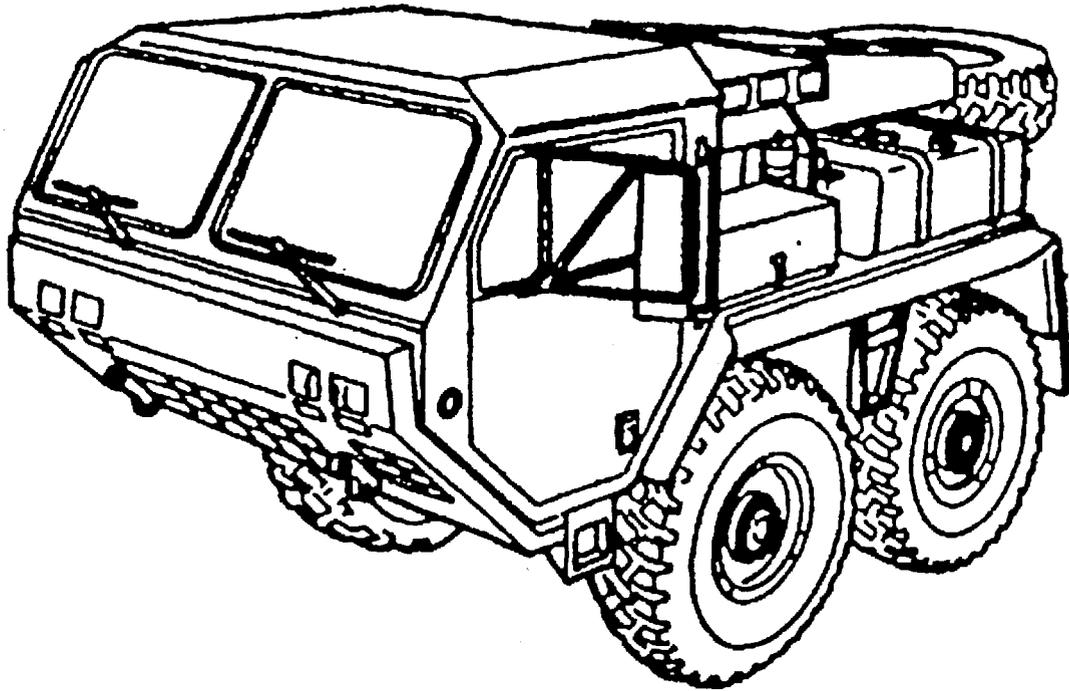
TYPE : Diesel
TANK CAPACITY: 50 gallons
GALLONS PER HOUR: 15
TOPSPEED: 65 mph

FORDING DEPTH

30" without preparation (No
Fording kit)

TANK CAPACITY

WATER CAPACITY: 1,000 gallons
FOAM CAPACITY: 130 gallons
HALON 1211 CAPACITY: 500 lbs
NITROGEN CAPACITY: 110 cu ft



POWER UNIT, FRONT, 12-1/2 TON, 4x4, MK48, MOD O

The MK48 and its associated trailers form the Logistics Vehicle System (LVS). They are used primarily by combat service support motor transport units to haul supplies in large quantities from beachheads, ports, railheads, or airfields to combat service support areas. The MK48 is an all-metal, fully enclosed, 4x4 tactical truck. The crew consists of two. The MK48's low-profile, cab-forward configuration permits loading aboard military aircraft with no preparation. The MK48 is designed to power LVS trailer units: the MK14 Mod O Trailer, Container Hauler (D0876); the MK15 Mod O Trailer, Wrecker-Recovery (D0877); the MK16 Mod O Trailer, Semitrailer Adapter (D0878); the MK17 Mod O Trailer, Dropside Cargo (D0879); and the MK18 Mod O Trailer, Ribbon Bridge Transporter (D0881). The MK48 can be attached to any one of these trailer units through an articulation joint to form an integral, dual body, fully articulated, 8x8 vehicle with cross-country mobility.

LOGISTIC DATA

TAMCN : D0209
 NSN : 2320-01-177-5167
 ID NUMBER: 08780A

CUBE : 1,917 cu ft
 CURB WEIGHT: 25,300 lbs
 WHEEL BASE: 60"
 GROUND CLEARANCE: 23"

BASIC DIMENSIONS

LENGTH : 238.5"
 WIDTH : 96"
 HEIGHT : 102"
 SQUARE : 159 sq ft

MECHANICAL DATA

ENGINE: V8, liquid cooled,
 compression ignition,
 turbocharged
 HP: 445 at 2,100 RPM

POWER UNIT, FRONT, 12-1/2 TON, 4x4, MK48, MOD O (CONTINUED)

MECHANICAL DATA (CON'T)

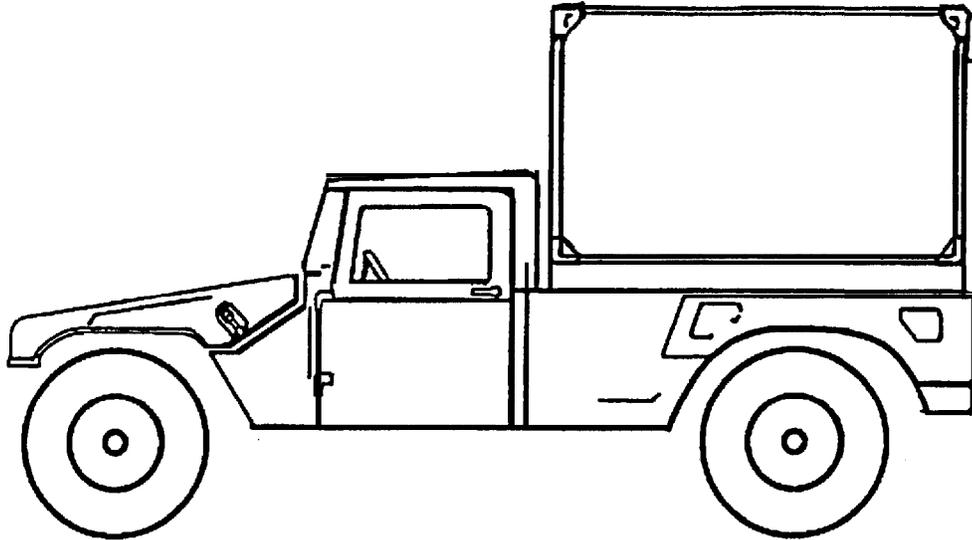
TRANSMISSION: 4 speed,
automatic
TRANSFER CASE: 2 speed, manual
ELECTRICAL SYSTEM: 24 volt,
negative ground, 65 amps
BRAKES : Air

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 150 gallons
GALLONS PER HOUR: 16.66
EST RANGE: 450 miles, highway

FORDING DEPTH

60" without preparation (No
fording kit)



TRUCK, UTILITY, SHELTER CARRIER, 1-1/4 TON, 4x4, WITHOUT WINCH,
M1097, HMMWV (HEAVY HMMWV)

The existing HMMWV chassis will be modified to increase the Gross Vehicle Weight (GVW) capability. This will be accomplished with minimum changes to the chassis and minor body reinforcements. The heavy HMMWV will accommodate a larger number of communication shelter, weapon systems, additional armament, increased ballistic (7.62mm and 5.56mm Ball) protection, and towing capabilities. The above illustration is the Shelter Carrier version of the heavy HMMWV.

LOGISTIC DATA

TAMCN : D0187
NSN : 2320-01-346-9317
ID NUMBER: 09716A

BASIC DIMENSIONS

LENGTH : 188"
WIDTH : 85"
HEIGHT : 104, reducible to 72"
SQUARE : 111 sq ft
CUBE : 666 cu ft
CURB WEIGHT: 10,001 lbs
WHEEL BASE: 129"
GROUND CLEARANCE: 16"
GVW : 10,001 lbs

MECHANICAL DATA

ENGINE: V8, liquid cooled,
compression ignition
HP: 150 at 3,600 RPM
TRANSMISSION: 3 speed,
automatic
TRANSFER CASE: 2 speed, manual
ELECTRICAL SYSTEM: 24 volt,
negative ground, 60 amps
BRAKES : Hydraulic, 4-wheel disc
STEERING: Power

FUEL DATA

TYPE : Diesel
TANK CAPACITY: 25 gallons
GALLONS PER HOUR: 1.7
EST RANGE: 225 miles, cross-
country

TM 11240-15/4B

TRUCK, UTILITY, SHELTER, CARRIER, 1-1/4 TON, 4x4, WITHOUT WINCH,
M1097, HMMWV (HEAVY HMMWV) (CONTINUED)

S250 SHELTER DIMENSIONS

LENGTH : 85"
WIDTH : 79"
HEIGHT : 70"
SQUARE : 46.6 sq ft
CUBE : 272 cu ft

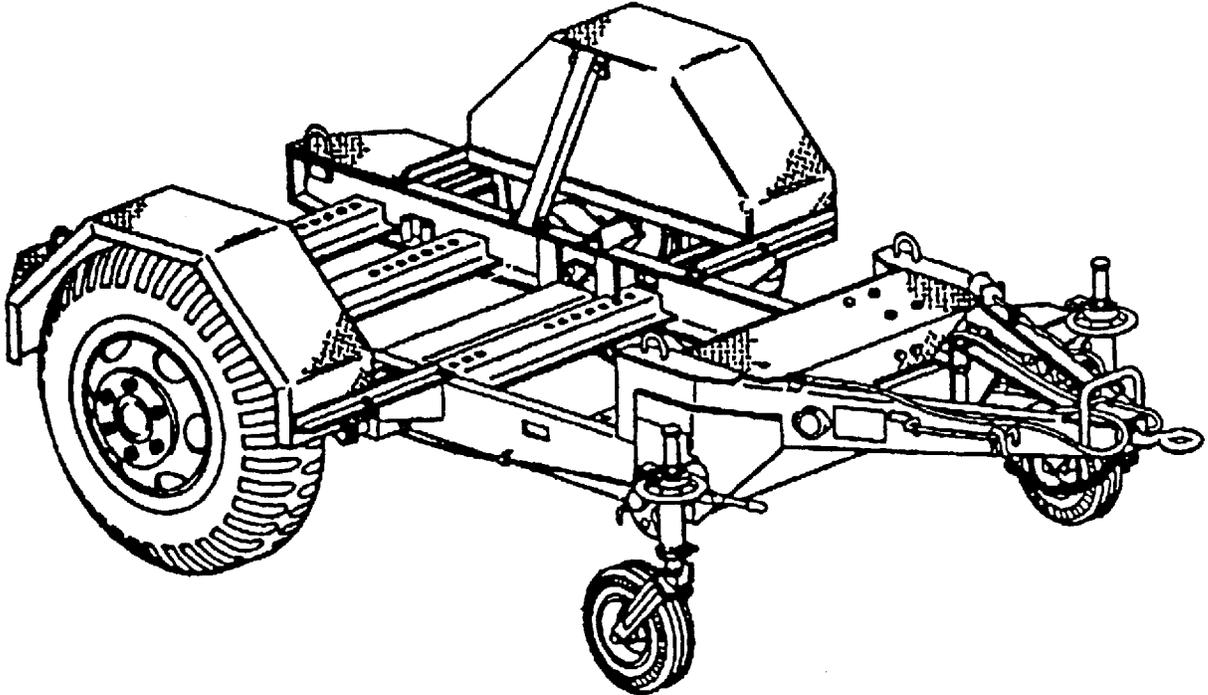
FORDING DEPTH

30" without preparation
60" with deep water fording kit
fitted'

CHAPTER 3. TRAILERS AND DOLLIES

3.1 INTRODUCTION. The trailers discussed in this chapter are designed to be towed by vehicles with towing pintles. The trailer converter dollies depicted in this chapter enable trucks with towing pintles to tow semitrailers at low speeds.

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CHASSIS, TRAILER, GENERAL PURPOSE, 3-1/2 TON, 2-WHEEL, M353

The M353 is a single axle, 2-wheel, heavy duty chassis designed to be towed by 2-1/2 or 5 ton trucks equipped with towing pintles. It is designed to haul general payloads of up to 7,000 pounds such as generators, air compressors, and welders. The M353 has a raised A-frame bolted to the front of the chassis with an attached lunette, safety chains, lifting shackles, and bars for handling. The frame has steel wheel covers and two hand brake levers mounted forward of the wheels beside the swivel caster landing gears. There are two rubber tires mounted on retractable landing gears located on the front corners. The landing gears are also used to level the trailer when loaded and stationary. Maximum towing speed for the M353 is 50 MPH on highways and 25 MPH cross-country.

LOGISTIC DATA

TAMCN : D0080
 NSN : 2330-00-542-2831
 ID NUMBER: 05945A

BASIC DIMENSIONS

LENGTH : 187.5"
 WIDTH : 95.9"
 HEIGHT : 48.251"
 SQUARE : 127 sq ft
 CUBE : 539 cu ft
 CURB WEIGHT: 2,650 lbs
 GROUND CLEARANCE: 16"

DECK CAPACITY

LENGTH : 108.5"
 WIDTH : 49"
 HEIGHT : 24.25"
 SQUARE : 37 sq ft
 CUBE : 75 cu ft
 CAPACITY: 7,000 lbs cross-country, 8,000 lbs highway

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts, negative ground, powered by prime mover

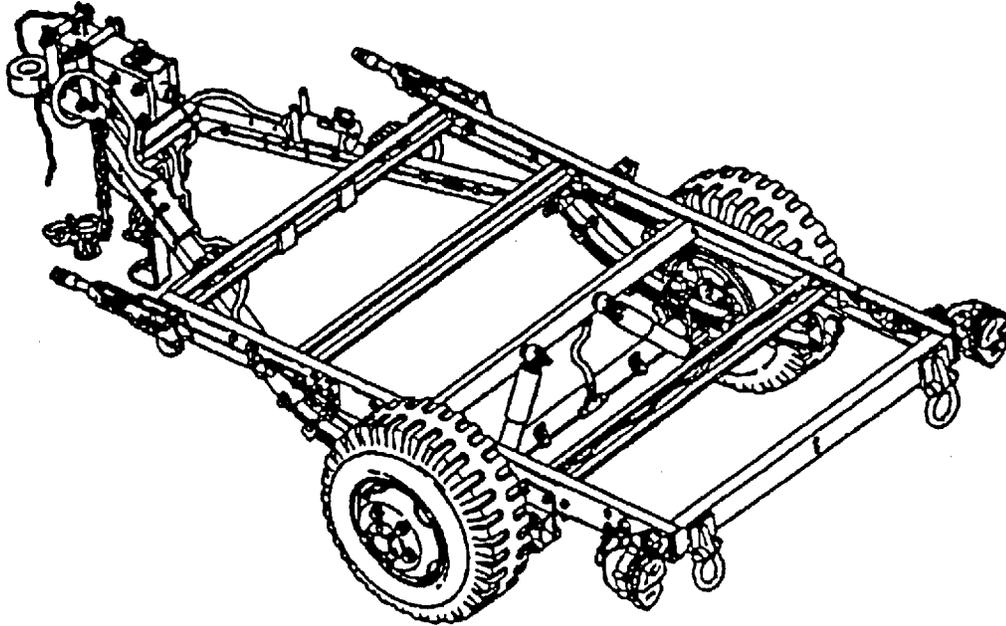
CHASSIS, TRAILER, GENERAL PURPOSE, 3-1/2 TON, 2-WHEEL, M353
(CONTINUED)

MECHANICAL DATA (CON IT)

BRAKES : Hand brakes are
mechanical expanding type;
service brakes are air over
hydraulic, linked to prime mover

FORDING DEPTH

Can ford hard, flat bottoms
Depth depends on prime mover and
trailer payload



CHASSIS, TRAILER, 3/4 TON, 2-WHEEL, M116A2

The M116A2 is a single axle, 2-wheel, general purpose chassis designed to be towed by 3/4 ton to 1-1/4 ton vehicles equipped with towing pintles. It is constructed to transport electric power generators but can be configured to haul items such as motorcycles and satellite dishes by adding different beds to the chassis. The M116A2 consists of a steel A-frame drawbar bolted to the frame with an attached one position lunette, landing gear and two hand brake levers. It is designed to operate on primary and secondary roads at a maximum speed of 50 mph and cross-country at a maximum speed of 30 mph. The M116A2 replaces the M762 Chassis which is now a secondary standard preferred item under the same TAMCN. The M116A2 with cargo body makes up an M101A2 .

LOGISTIC DATA

TAMCN : D0085
 NSN : 2330-01-101-8434
 ID NUMBER: 09058A

BASIC DIMENSIONS

LENGTH : 147"
 WIDTH : 73.5"
 HEIGHT : 35"
 SQUARE : 75.03 sq ft
 CUBE : 520 cu ft
 CURB WEIGHT: 1,340 lbs
 GROUND CLEARANCE: 10"

DECK CAPACITY

LENGTH : 76"
 WIDTH : 65.5"
 HEIGHT : 18"
 SQUARE : 34.6 sq ft
 CUBE : 51.85 cu ft
 CAPACITY: 1,500 lbs

MECHANICAL DATA

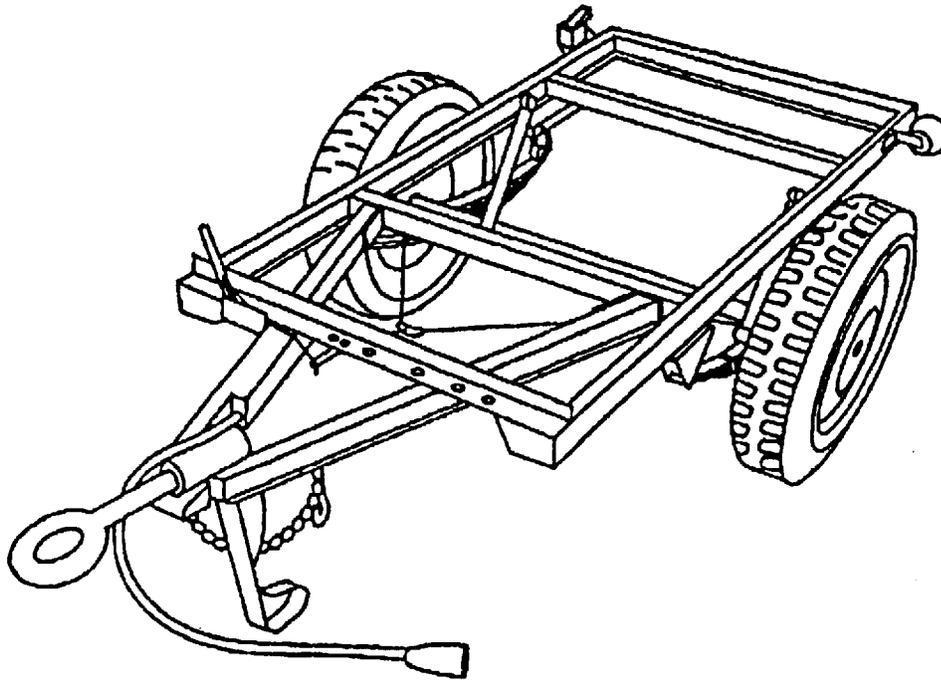
ELECTRICAL SYSTEM: 24 volts,
 negative ground, powered by
 prime mover
 BRAKES : Inertia - actuated
 hydraulic brake system

TM 11240-15/4B

CHASSIS, TRAILER, 3/4 TON, 2-WHEEL, M116A2 (CONTINUED)

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
trailer payload



CHASSIS, TRAILER, 3/4 TON, 2-WHEEL, M762

The M762 is a single axle, 2-wheel, steel frame, chassis designed to be towed by 1/4 ton or larger vehicles. It is used to transport portable equipment such as field stoves and mobile electric power generators. The M762 has the same frame as the M416 trailer (D0840), however, the M762 is equipped with an A-frame drawbar bolted to the frame, an attached two-position lunette bracket and a landing gear. The M762 is designed to operate on all types of roads, cross-country terrain, and in all weather conditions. This chassis has been classified as a secondary standard preferred item and is being replaced by the M116A2 trailer chassis.

LOGISTIC DATA

TAMCN : D0085
 NSN : 2330-00-933-7426
 ID NUMBER: 05984A

BASIC DIMENSIONS

LENGTH : 111.75"
 WIDTH : 60.75"
 HEIGHT : 43.25"
 SQUARE : 47 sq ft
 CUBE : 159 cu ft
 CURB WEIGHT: 570 lbs
 GROUND CLEARANCE: 10"

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
 negative ground, powered by
 prime mover
 BRAKES : Hand brakes only,
 mechanical expanding type

DECK CAPACITY

LENGTH : 60"
 WIDTH : 60"
 SQUARE : 25 sq ft
 CAPACITY: 1,500 lbs

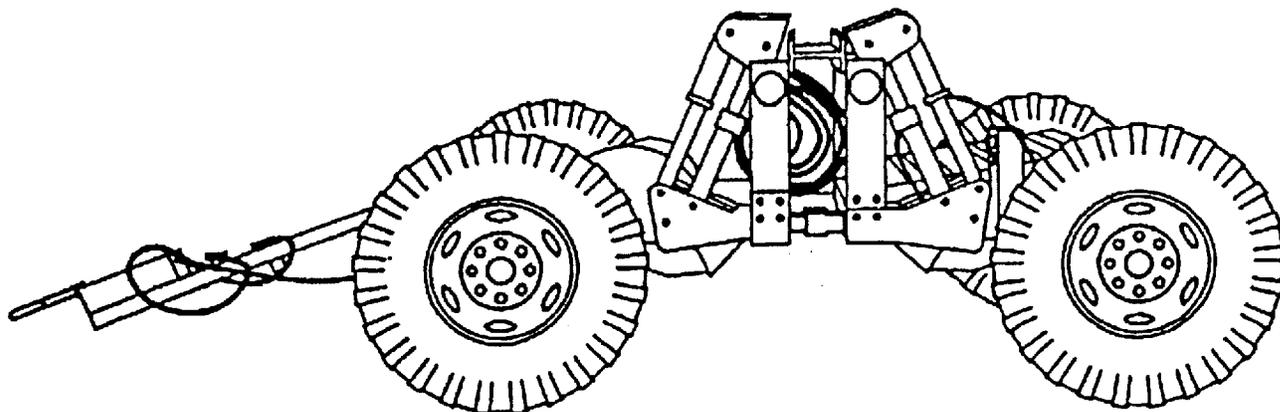
TM 11240-15/4B

CHASSIS, TRAILER, 3/4 TON, 2-WHEEL, M762 (CONTINUED)

FORDING CAPABILITY

Can ford hard, flat bottoms

Depth depends on prime mover and
trailer payload



DOLLY SET, LIFT, TRANSPORTABLE SHELTER, 5-1/4 TON, M832

The M832 consists of a front and rear trailer dolly designed to be attached to the opposite ends of a transportable shelter for mobility. The front and rear trailer dollies are equipped with adapters which secure to and support the shelter. The adapters are mounted on the dolly's axles by means of rocker arms and strut assemblies which can be raised or lowered by hydraulic hand pumps. A drawbar with a lunette is mounted on the front trailer dolly. When not in use, the front and rear trailer dollies can be coupled together for storage or transport. The M832 has a maximum towing speed of 50 mph on highways and 20 mph cross-country.

LOGISTIC DATA

TAMCN : D0105
 NSN : 2330-00-221-4939
 ID NUMBER: 07513A

WHEEL BASE: Variable, depending
 on shelter
 GROUND CLEARANCE: 15"

BASIC DIMENSIONS

LENGTH : 125.5" (drawbar
 removed)
 WIDTH : 9611
 HEIGHT : 54.5" (drawbar removed)
 SQUARE : 123 sq ft
 CUBE : 532 cu ft
 CURB WEIGHT: 3,700 lbs

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
 negative ground, powered by
 prime mover
 BRAKES : Air-hydraulic, linked
 to prime mover

LIFT CAPABILITY

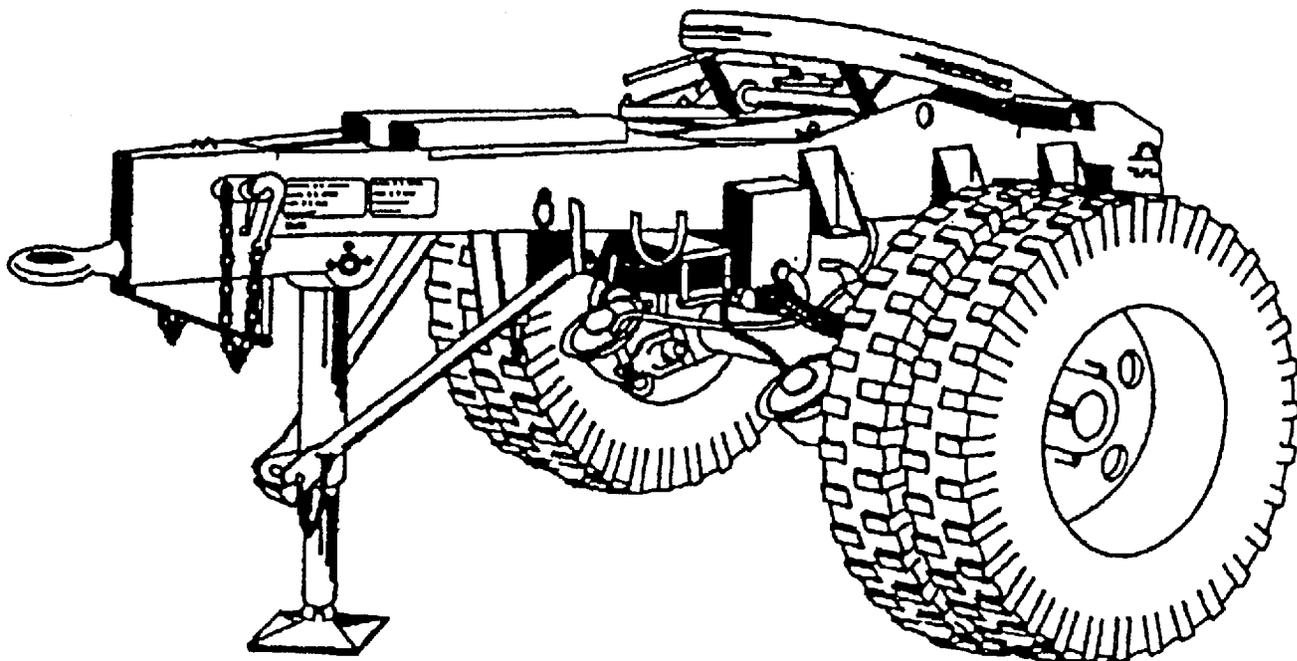
10,500 lbs at 5,000 psi

TM 11240-15/4B

DOLLY SET, LIFT, TRANSPORTABLE SHELTER, 5-1/4 TON, M832 (CONTINUED)

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
shelter contents



DOLLY, TRAILER CONVERTER, 8 TON, 2-WHEEL, M198A1

The M198A1 is a single axle, 2-wheel, dual-tire trailer equipped with a lunette and a fifth wheel assembly. The frame is of welded steel construction. A landing gear is fitted to the frame just behind the lunette. The M198A1 permits vehicles equipped with towing pintles to tow semitrailers either on the road or cross-country. Semitrailers attached to the M198A1 can be towed at a maximum speed of 30 mph on highways and 20 mph cross-country. Dolly trailer converters, in limited quantities, have been retained in the Marine Corps to support a decreasing number of aging semitrailers that are being replaced by the Marine Corps Expeditionary Shelter System (MCESS).

LOGISTIC DATA

TAMCN : D0120
 NSN : 2330-00-563-7248
 ID NUMBER: 04536B

BASIC DIMENSIONS

LENGTH : 119"
 WIDTH: 96.75"
 HEIGHT : 56"
 SQUARE : 82 sq ft
 CUBE : 396 CU ft
 CURB WEIGHT: 3,450 lbs
 GROUND CLEARANCE: 13.81"

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
 negative ground, powered by
 prime mover
 BRAKES : Air-hydraulic, linked
 to prime mover

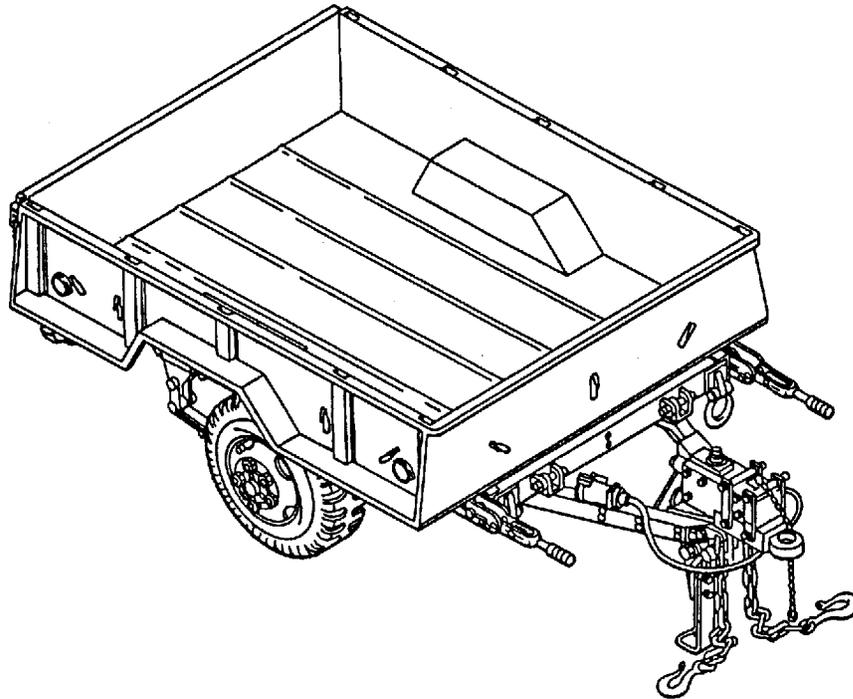
TOWING CAPACITY

16,000 lbs cross-country and
 highway

FORDING DEPTH

43.1" without preparation

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TRAILER, CARGO, 3/4 TON, 2-WHEEL, M101A2

The M101A2 is a single axle, two wheel, steel frame trailer designed to be towed by a 3/4 ton or larger truck. It is used to transport general cargo. A welded steel body is bolted to the frame. The body is equipped with a tailgate and mounting brackets for cargo racks and a frame for a tarpaulin cover. A steel A-frame is bolted to the frame with an attached one-position lunette, landing gear, and two hand brake levers. The M101A2 is designed to operate on all types of roads, cross-country terrain, and in all weather conditions. There are no restrictions on the M101A2 for movement over primary and secondary roads, however, it is restricted to a maximum speed of 15 mph cross-country when towed by the M998 Series 1 1/4 ton trucks (HMMWV) or other prime movers.

LOGISTIC DATA

TAMCN : D0850
 NSN : 2330-01-102-4697
 ID NUMBER: 00647B

BASIC DIMENSIONS

LENGTH : 147"
 WIDTH : 73.5"
 HEIGHT : 35"
 SQUARE : 75 sq ft
 CUBE : 519 cu ft
 WEIGHT : 1,340 lbs
 GROUND CLEARANCE : 14"

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
 negative ground, powered by
 prime mover
 BRAKES : Inertia-activated
 hydraulic brake

CARGO COMPARTMENT

LENGTH : 76"
 WIDTH : 65.5"
 HEIGHT WITH COVER FITTED : 83"
 SQUARE : 35 sq ft

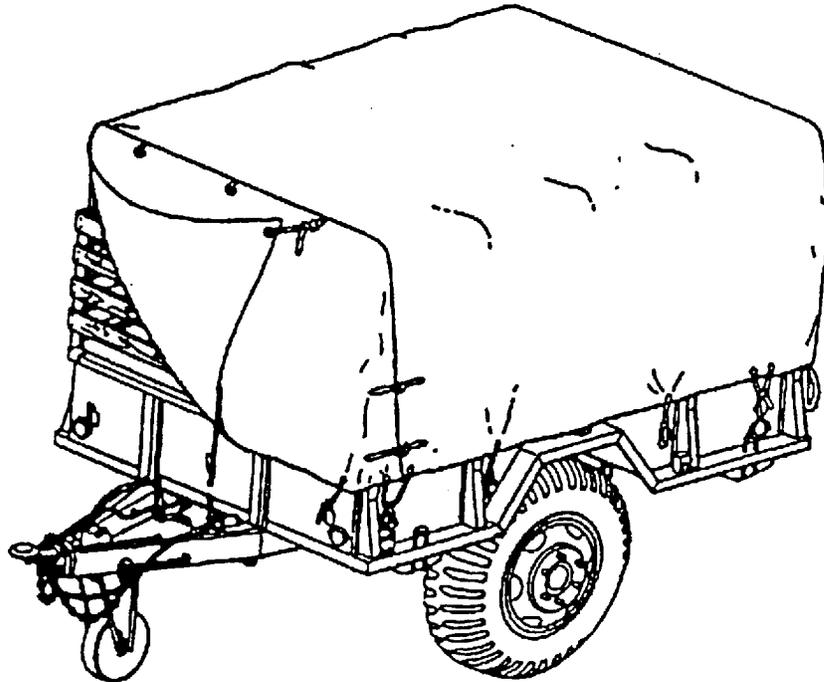
TRAILER, CARGO, 3/4 TON, 2-WHEEL, M101A2 (CONTINUED)

CARGO COMPARTMENT (CON'T)

CUBE : 213 cu ft
CAPACITY: 1,500 lbs

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
trailer payload



TRAILER, CARGO, 1-1/2 TON, 2-WHEEL, M105A2

The M105A2 is a 2-wheel, single axle trailer with a leaf-spring suspension designed to be towed by 2-1/2-ton and larger vehicles equipped with towing pintles. It has a welded box cargo body mounted on a welded steel frame. The frame includes an integral A-frame with a towing lunette and retractable landing gear to support the front of the trailer when uncoupled from its prime mover. The M105A2 has a manually operated parking brake, 24-volt electrical system and automatic emergency braking system in case the trailer breaks away from the prime mover. The cargo body includes a tailgate, removable wooden side extensions and a tarpaulin.

LOGISTIC DATA

TAMCN : D0860
 NSN : 2330-00-141-8050
 ID NUMBER: 00638E

BASIC DIMENSIONS

LENGTH : 165.5"
 WIDTH : 83"
 HEIGHT : 98" reducible to 55"
 (sideracks and bows removed)
 SQUARE : 95 sq ft
 CUBE : 779 cu ft
 CURB WEIGHT: 2,650 lbs
 GROUND CLEARANCE : 16"

DECK CAPACITY

LENGTH : 110"
 WIDTH : 74"
 HEIGHT : 98", less tarpaulin
 (empty)
 To top of side panels: 45'¹⁸"
 To top of sideracks: 45'¹⁸"
 To underside of bows: 60"
 SQUARE : 56.5 sq ft
 CUBE : 282.5 cu ft
 CAPACITY: 3,000 lbs cross-
 country, and highway

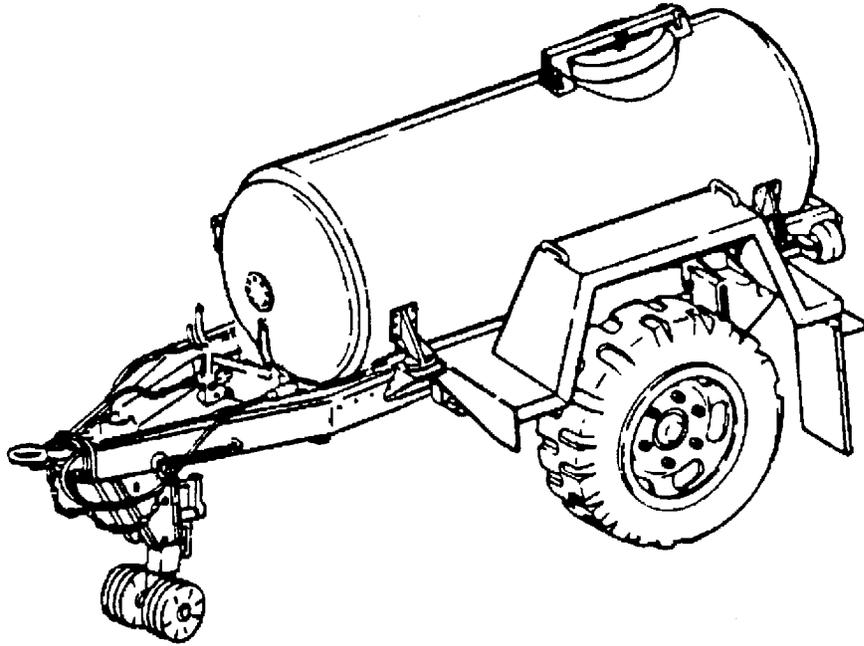
TRAILER, CARGO, 1-1/2 TON, 2-WHEEL, M105A2 (CONTINUED)

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
negative ground, powered by
prime mover
BRAKES : Air-hydraulic, powered
by prime mover

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
trailer payload



**TRAILER, TANK, WATER, 400 GALLON, 1-1/2 TON, 2-WHEEL,
M149A2**

The M149A2 transports potable or nonpotable water on highways and cross-country terrain. The water tank is constructed of stainless steel with double walls. Two inches of urethane foam is used as insulation between the walls. It is equipped with dispensing equipment consisting of four bronze faucets, a rear self-drain faucet and brass piping. A shut-off valve is provided to complete drainage from the exterior plumbing. A manhole located on top of the water tank provides access for bulk filling and cleaning. The trailer is also equipped with a bracket at the manhole to allow for heating of the water with the standard M67 immersion heater. The trailer can be towed on highways at 50 MPH and cross-country at 30 MPH by 2-1/2 ton or larger vehicles.

LOGISTIC DATA

TAMCN : D0880
NSN : 2330-01-108-7367
ID NUMBER: 00648H

BASIC DIMENSIONS

LENGTH : 161.5"
WIDTH : 80.3"
HEIGHT : 79.3"
SQUARE : 90 sq ft
CUBE : 595 cu ft
CURB WEIGHT: 2,800 lbs
GROUND CLEARANCE : 17"

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
negative ground, powered by
prime mover
BRAKES : Air-hydraulic, linked
to prime mover
Hand brakes are mechanical
expanding type.

CAPACITY

3,332 lbs

TM 11240-15/4B

**TRAILER, TANK, WATER, 400 GALLON, 1-1/2 TON, 2-WHEEL,
M149A2 (CONTINUED)**

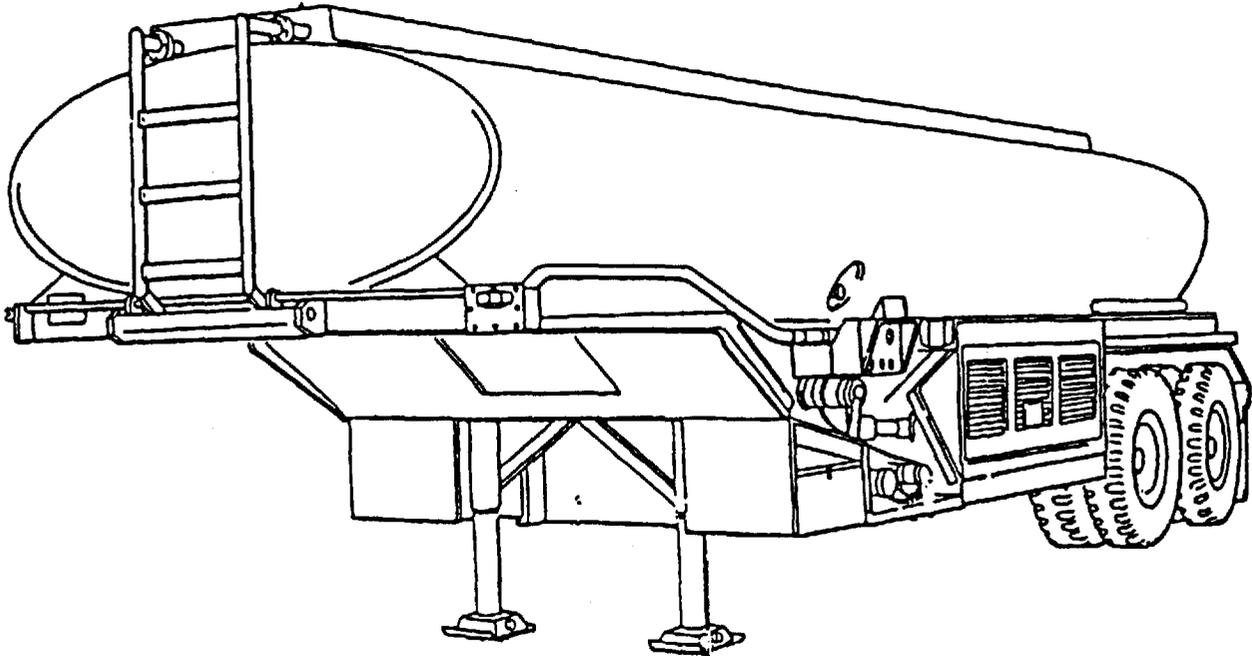
FORDING CAPACITY

Can ford hard, flat bottoms
Depth depends on prime mover and
trailer payload

CHAPTER 4. SEMITRAILERS

4.1 INTRODUCTION. All semitrailers are designed to be towed by prime movers equipped with fifth wheel assemblies. Trailers for the Logistics Vehicle System (LVS) are connected through an articulation joint. Generally, Marine Corps semitrailers are used by FSSG units to transport large quantities of cargo, heavy mechanical equipment, and in some cases personnel on improved roads.

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SEMITRAILER, TANK, 5,000 GALLON, AIRCRAFT REFUELER, M970

The M970 is a 5,000 gallon fuel dispensing semitrailer designed for under/overwing refueling of aircraft. It is equipped with a filter/separator, recirculation system and two refueling systems, one for underwing and one for overwing servicing. The tanker is designed to be towed by a 5 ton, 6x6 truck tractor or similar vehicle equipped with a fifth wheel. The M970 can be loaded through the bottom or through the top fill openings. A ladder is provided at the front of the semitrailer for access to the top manhole, and a 4-cylinder diesel engine and pump assembly provides self load/unload capability. The body of the refueler is a 5,000 gallon, single compartment, stainless steel tank. The chassis is of welded steel construction and is equipped with full floating tandem axles and a manually operated landing gear.

LOGISTIC DATA

TAMCN : D0215
 NSN : 2330-01-050-5635
 ID NUMBER: 08089A

WHEEL BASE : 52"
 GROUND CLEARANCE : 16"

BASIC DIMENSIONS

LENGTH : 366"
 WIDTH : 9611
 HEIGHT : 104.5"
 SQUARE : 244 sq ft
 CUBE : 2,126 cu ft
 CURB WEIGHT: 15,300 lbs

MECHANICAL DATA

PUMP MOTOR: 4 cylinder, in-line, air cooled compression ignition
 HP: 27.5
 ELECTRICAL SYSTEM: 24 volt, negative ground, powered by prime mover; pump motor, 12 volt, negative ground, 65 amps

SEMITRAILER, TANK, 5,000 GALLON, AIRCRAFT REFUELER, M970 (CONTINUED)

MECHANICAL DATA (CON'T)

BRAKES : Air, powered by prime mover

FUEL DATA FOR 4-CYLINDER ENGINE

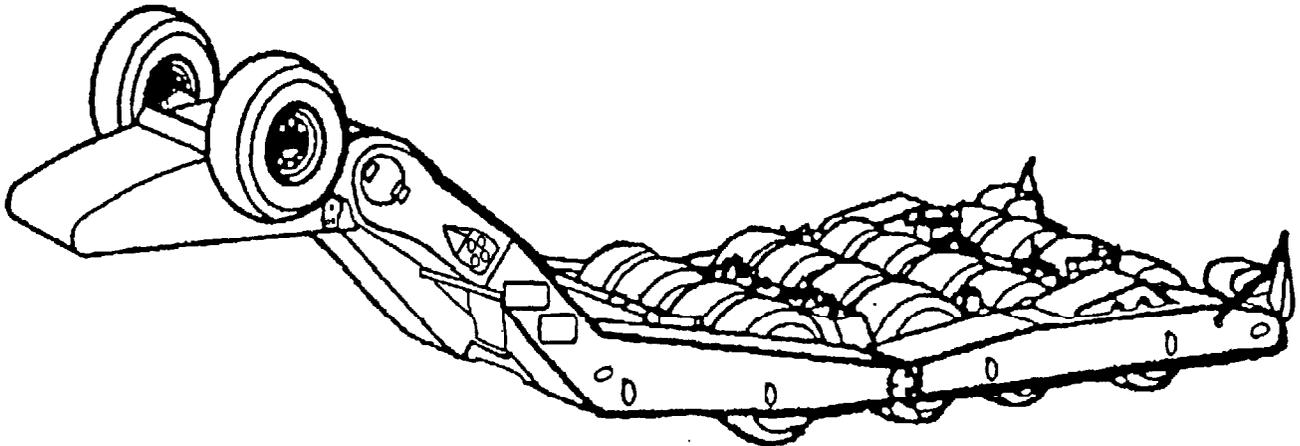
TYPE : Diesel
GALLONS PER HOUR: 1.5

FUEL CAPACITY

33,950 lbs/5,000 gallons highway
25,802 lbs/3,800 gallons cross-country

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and semitrailer payload



SEMITRAILER, TANK TRANSPORTER, JOINTED, 65 TON, 16-WHEEL, M793

The M793 is utilized to transport the M60 series Tanks, the AAV7 series Amphibious Assault Vehicles and the M109 Self-Propelled Howitzers. It can also transport the M88 series Tank Recovery Vehicles with diminished performance. The transporter consists of a forward and rear trail unit each of which is mounted on four independent bogie assemblies. The basic frame structure of each trail unit is a box-type configuration incorporating stiffeners and bulkheads that stabilize and transmit the load stresses through web plates. These two trail units (main frames) are connected by a center pivot which allows the semitrailer to articulate or flex freely. It can only be towed by the MK48/16 LVS Powered Unit/Semitrailer Adapter configuration. The M793 will be replaced by a 70-ton Heavy Equipment Transporter in FY95.

LOGISTIC DATA

TAMCN : D0220
 NSN : 2330-00-089-7518
 ID NUMBER: 06230A

CUBE : 2,880 cu ft
 CURB WEIGHT: 45,000 lbs
 GROUND CLEARANCE: 12"

BASIC DIMENSIONS

LENGTH : 377.68"
 WIDTH : 124"
 HEIGHT : 102" reducible to 60"
 with arch down (shipping/storage only)
 SQUARE : 339 sq ft

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
 negative ground, powered by
 prime mover
 BRAKES : Air, linked to prime
 mover

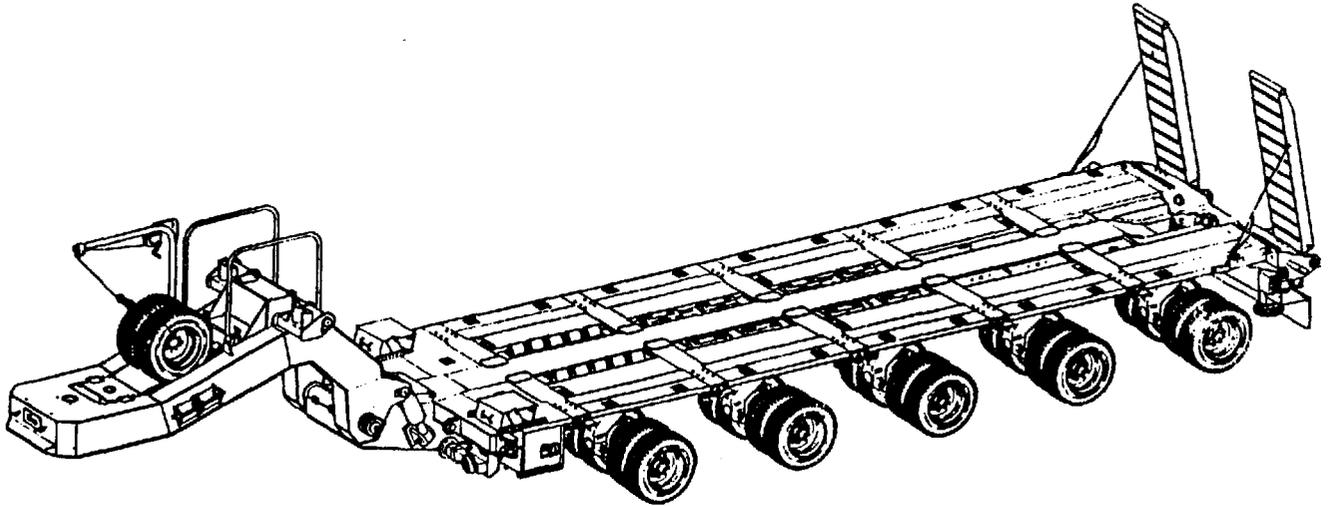
SEMITRAILER, TANK TRANSPORTER, JOINTED, 65 TON, 16-WHEEL, M793
(CONTINUED)

DECK CAPACITY

LENGTH : 377.68"
WIDTH : 124"
HEIGHT : 134"
SQUARE : 323 sq ft
CUBE : 3,654 cu ft
CAPACITY: 130,000 lbs

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
semitrailer payload



SEMITRAILER, HEAVY EQUIPMENT TRANSPORTER, 70 TON, 40-WHEEL, M1000

The M1000 (D0225) is replacing the M793 Tank Transporter (D022). It is a heavy equipment transporter (HET) with automatically steerable axles and a self-equalizing hydraulic suspension designed to transport the M1 series Combat Tank (E1888) and other military vehicles. The M1000 is compatible with U.S. and NATO tractors, including the M10700 M911, M746, MK48/16 and the SLT50-2. Without removing the payload, one person is able to change tires on the transporter. This is made possible because the vehicle's axles rotate for access to the inside tires. The transporter is also configured to haul ISO/ANSI containers and fuel (B2085) or water (B2086) modules from the SIXCON system. The M1000 is capable of highway and cross-country operations. Fielding is expected to take place during FY95.

LOGISTIC DATA

TAMCN : D0225
 NSN : 2330-01-303-8832
 ID NUMBER: 09295A

BASIC DIMENSIONS

LENGTH : 624"
 WIDTH : 144"
 HEIGHT : 142.8"
 SQUARE : 624 sq ft
 CUBE : 7,425.6 cu ft
 CURB WEIGHT: 50,900 lbs
 GROUND CLEARANCE: 15.5"

DECK CAPACITY

LENGTH : 403.2"
 WIDTH : 144"
 HEIGHT : 43 adjust 10"
 SQUARE : 403.2 sq ft
 CUBE : 1444.8 cu ft
 WEIGHT : 140,000 lbs highway and cross-country

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts, negative ground, powered by prime mover

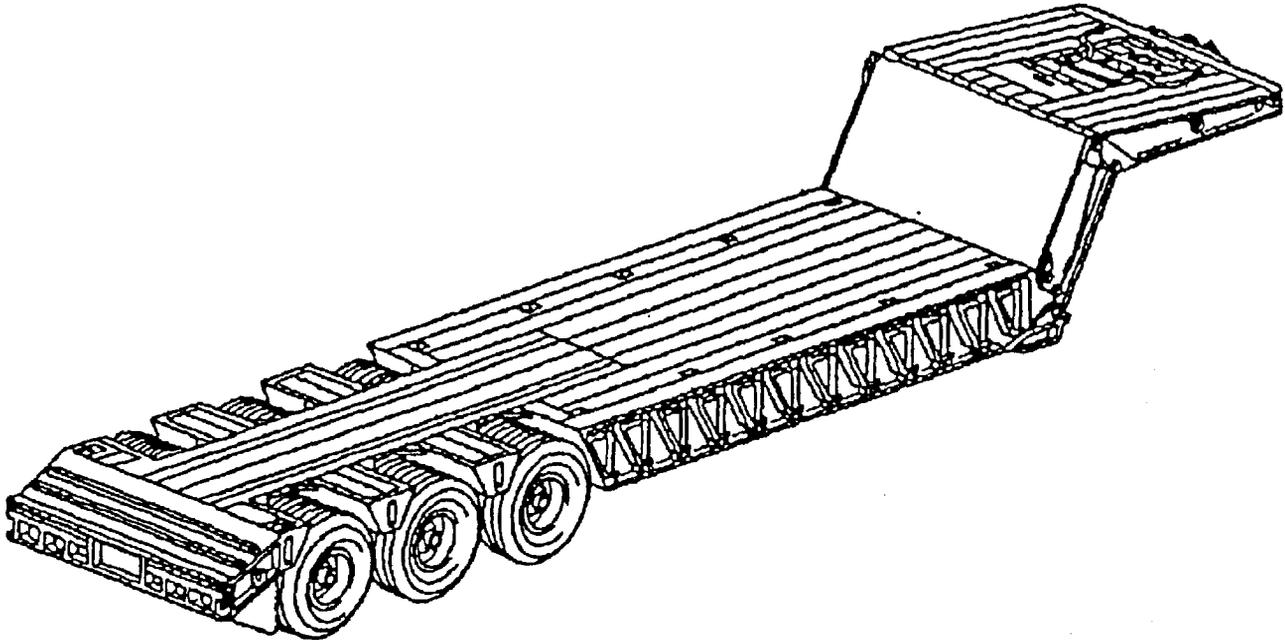
**SEMITRAILER, HEAVY EQUIPMENT TRANSPORTER, 70 TON, 40-WHEEL, M1000
(CONTINUED)**

MECHANICAL DATA (CON'T)

BRAKES : Two line straight air
with spring-actuated
park/emergency features

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
semitrailer payload



**SEMITRAILER, LOW BED, 40 TON, CONSTRUCTION EQUIPMENT TRANSPORTER,
M870**

The M870 is a 6-wheel, tandem axle, dual-tire semitrailer with a heavy-duty steel frame and a flat wooden cargo bed. It is used to haul construction equipment and material on improved and semi-improved roads. The M870 is designed to be towed by an MK48/16 LVS Semitrailer Adapter configuration (D209 and D0878), or the M931 5 ton tractor (D1134). Outrigger planks can be moved from the center of the cargo bed and fitted outboard to widen the bed. The wheel wells are open but can be covered by steel plates fabricated by using units. The M870 has a two position gooseneck and portable loading ramps that allows it to be loaded and unloaded from either the front or the rear. The two position gooseneck permits the equipment transporter to be towed by 5 ton or 10 ton tractors. A spare tire and tool well is also located in the gooseneck. The M870 can be used for cross-country operation over open, selected terrain.

LOGISTIC DATA

TAMCN : D0235
NSN : 2330-01-008-1377
ID NUMBER: 07862A

CUBE : 1,788 cu ft
CURB WEIGHT: 16,500 lbs
WHEEL BASE: 5011 front to
middle, 50" to rear
GROUND CLEARANCE: 13.5"

BASIC DIMENSIONS

LENGTH : 487"
WIDTH ; 96" expandable to 120"
HEIGHT : 64"
SQUARE : 336 sq ft

DECK CAPACITY

LENGTH : 204"
WIDTH : 96" expandable to 120"
HEIGHT : 48"

**SEMITRAILER, LOW BED, 40 TON, CONSTRUCTION EQUIPMENT TRANSPORTER,
M870 (CONTINUED)**

DECK CAPACITY (CON'T)

SQUARE : 136 sq ft expandable to
170 sq ft

CAPACITY: 80,000 lbs

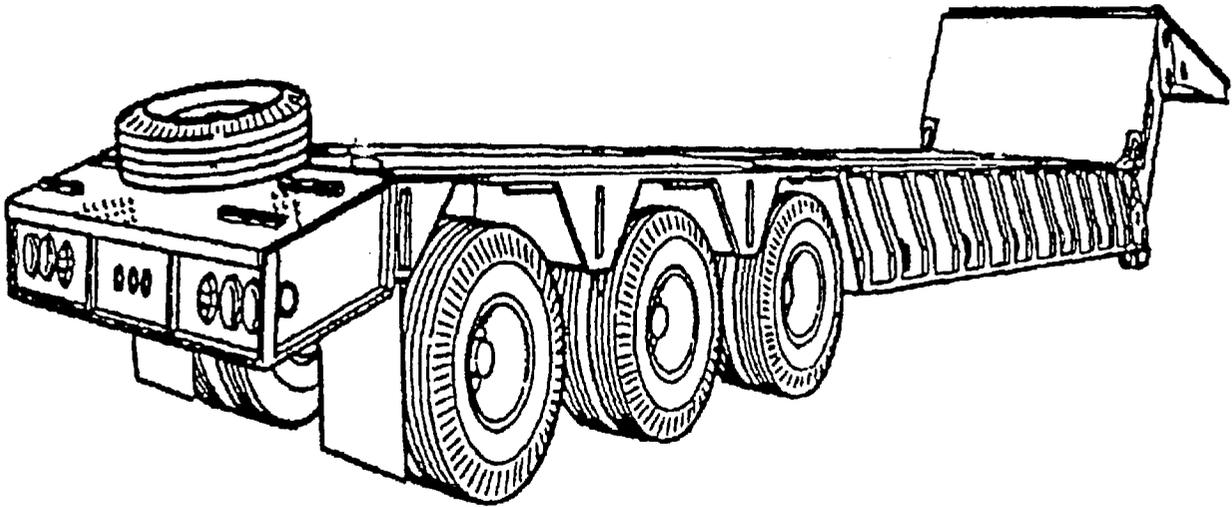
MECHANICAL DATA

ELECTRICAL SYSTEM: 12 or 24
volt , negative ground, powered
by prime mover

BRAKES : Air, linked to prime
mover

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
semitrailer payload



**SEMITRAILER, LOW BED, 40 TON, CONSTRUCTION EQUIPMENT TRANSPORTER,
M870A1**

The M870A1 semitrailer is a newer version of the M870 with the same mission of transporting construction equipment and material. It is towed by the Marine Corps MK48/16 LVS Semitrailer Adapter configuration. The semitrailer can transport a payload of 40 tons cross-country at 20 mph and on highways at 40 mph. The gooseneck of the M870A1 drops down to form a ramp for loading and unloading of equipment. To widen the bed and to help stabilize and support the load, twenty-four permanent outriggers are stored in an open stowage compartment on the gooseneck behind the air and electrical connectors. The M870A1 cannot be loaded or unloaded from the rear as can the M870. A spare tire is mounted on the rear deck of the vehicle. The prime mover supplies brake air pressure and control of the brakes.

LOGISTIC DATA

TAMCN : D0235
NSN : 2330-01-224-9245
ID NUMBER: 07862B

BASIC DIMENSIONS

LENGTH : 510"
WIDTH : 96" expandable to 120"
HEIGHT : 72.87"
SQUARE : 340 sq ft
CUBE : 2,068 cu ft

CURB WEIGHT: 19,000 lbs
GROUND CLEARANCE: 17.62"

MECHANICAL DATA

ELECTRICAL SYSTEM: 12 or 24 volts, negative ground, powered by prime mover
BRAKES : Air, linked to prime mover

DECK CAPACITY

LENGTH : 216"

TM 11240-15/4B

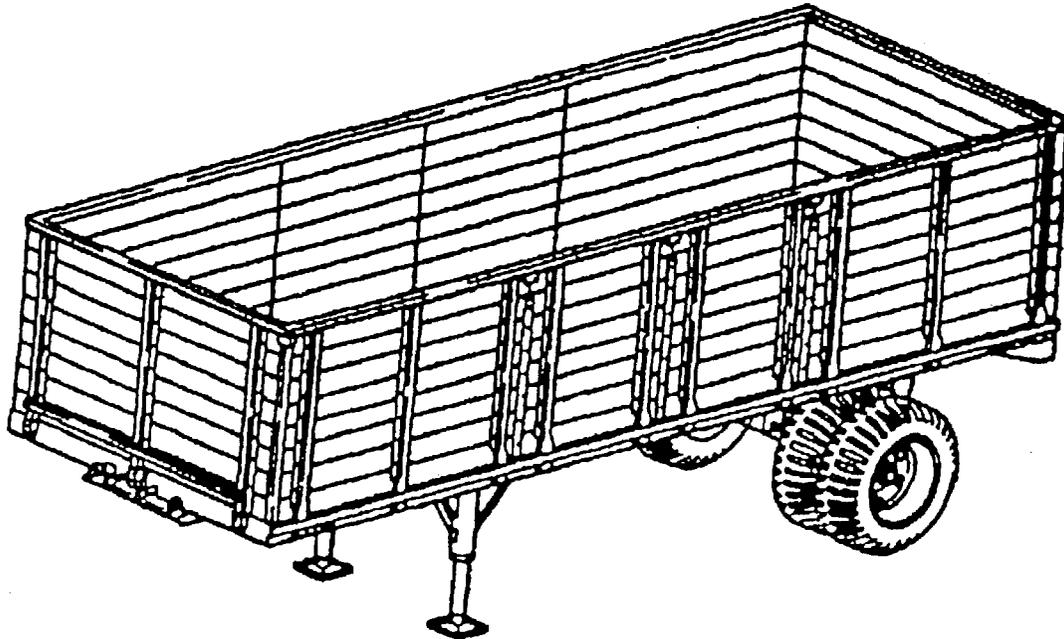
**SEMITRAILER, LOW BED, 40 TON, CONSTRUCTION EQUIPMENT TRANSPORTER,
M870A1 (CONTINUED)**

DECK CAPACITY (CON'T)

WIDTH : 96" expandable to 120"
HEIGHT : 39.875"
SQUARE : 144 sq ft
CUBE : 478.5 sq ft
CAPACITY: 80,000 lbs

FORDING DEPTH

Can ford hard, flat bottoms
Depth depends on prime mover and
semitrailer payload



SEMITRAILER, STAKE, 6 TON, 2-WHEEL, M118A1

The M118A1 is a flat bed, single axle, dual-tire, stake rack body semitrailer designed to transport general cargo. It is also used to transport sections of the M4T6 Fixed Floating 60 Ton Bridge (B0130) and the MY Fixed Highway 60 Ton Bridge (B0140). The stake racks are of various sizes and are constructed of eight 1-inch wooden boards bolted to vertical stakes which fit into stake pockets on the sides, front, and rear of the cargo bed. It has dual tires at the rear and dual landing gears forward. A sheet metal box is mounted under the cargo bed on the left side to stow a tarpaulin when it is not in use. The spare wheel and tire is mounted under the cargo bed on the right side of the semitrailer. The M118A1 is being replaced by the MK18 Ribbon Bridge Transporter/Container Hauler.

LOGISTIC DATA

TAMCN : D0250
 NSN: 2330-00-527-6221
 ID NUMBER: 00652C

CURB WEIGHT: 7,140 lbs
 GROUND CLEARANCE: 19"

BASIC DIMENSIONS

LENGTH : 275.75"
 WIDTH : 94.75"
 HEIGHT : 103", reducible to 55"
 (with sideracks removed)
 SQUARE : 181 sq ft
 CUBE : 828 cu ft

CARGO COMPARTMENT

LENGTH : 266.5"
 WIDTH : 88.5"
 HEIGHT : 48"
 SQUARE : 165 sq ft
 CUBE : 660 cu ft
 CAPACITY: 16,200 lbs highway,
 12,000 lbs cross-country

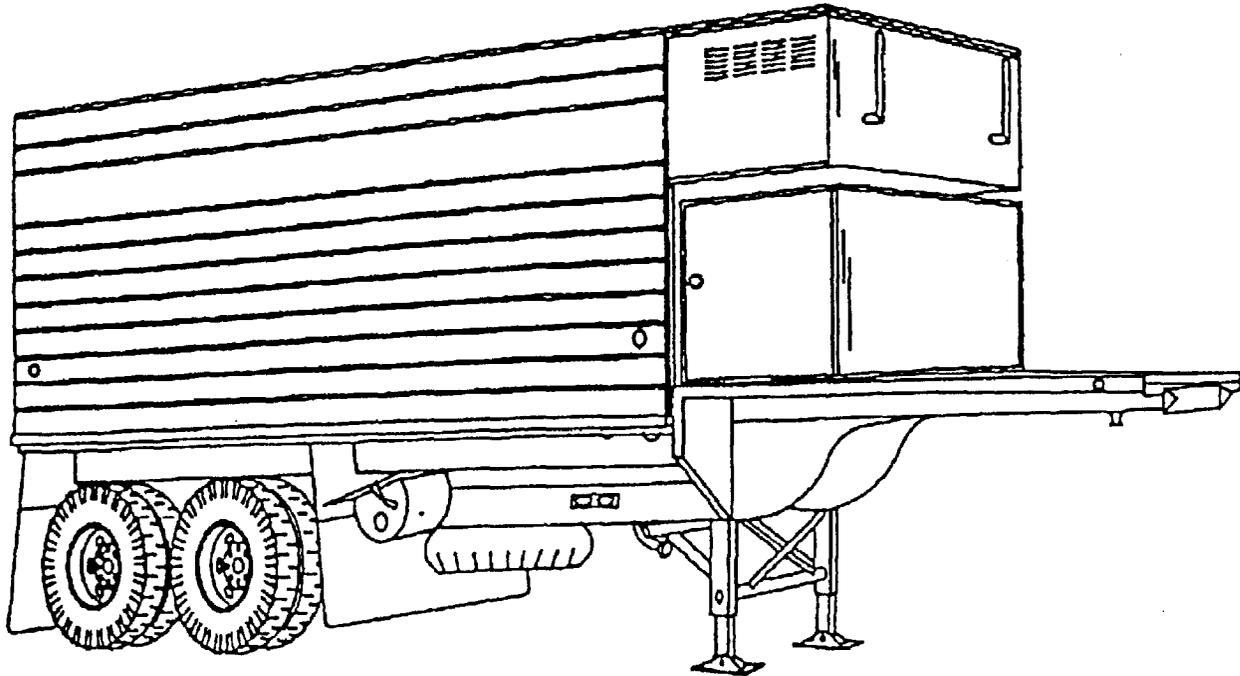
SEMITRAILER, STAKE, 6 TON, 2-WHEEL, M118A1 (CONTINUED)

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
negative ground, powered by
prime mover
BRAKES : Air-hydraulic, linked
to prime mover

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
semitrailer payload



SEMITRAILER, VAN, REPAIR PARTS STORAGE, 6 TON, 4-WHEEL, M750

The M750 is designed to transport large quantities and varieties of repair parts for-use by combat service support personnel. It consists of a van body mounted on a steel beam frame, dual axle, 4-wheel, dual-tire chassis. The chassis has a fixed gooseneck with kingpin fitted, dual retractable landing gears, and a spare wheel and tire mounted underneath the frame on the right. The van body features horizontal doors running the entire length of each side, which open to double the available floor space in the van. The center of the van is designed to provide storage space for repair parts and the expandable sides provide work space. The van body is equipped with two 60,000 BTU heaters, fire extinguishers, and interior lights. Double doors in the rear provide access to the van. It will be phased out when a containerized replacement is procured (TBD) .

LOGISTIC DATA

TAMCN : D0270
 NSN : 2330-00-926-7035
 ID NUMBER: 04234D

CURB WEIGHT: 16,580 lbs
 WHEEL BASE: 48"
 GROUND CLEARANCE: 12"

BASIC DIMENSIONS

LENGTH : 252.375"
 WIDTH : 94.5" expandable to 175"
 HEIGHT : 91.125"
 SQUARE : 214 sq ft
 CUBE : 2,329 cu ft

CARGO COMPARTMENT

LENGTH : 203"
 WIDTH : 91", expandable to 175"
 HEIGHT : 75"
 SQUARE : 128 sq ft, expandable to 247 sq ft
 CUBE : 801.8 cu ft, expandable to 1,542 cu ft

**SEMITRAILER, VAN, REPAIR PARTS STORAGE, 6 TON, 4-WHEEL, M750
(CONTINUED)**

CARGO COMPARTMENT (CON 'T)

CAPACITY: 12,000 lbs cross-
country, 15,000 lbs highway

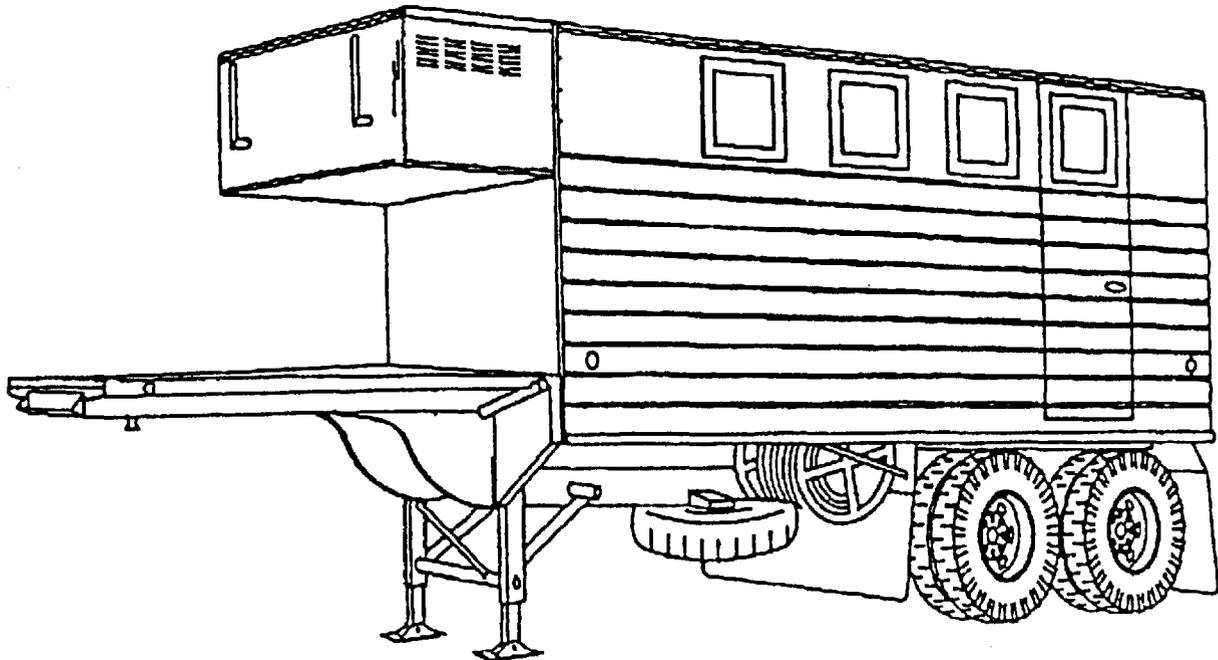
MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
negative ground, powered by
prime mover. Shop equipment and
heater are powered by a separate
mobile electric generator

BRAKES : Air-hydraulic, linked
to prime mover

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
semitrailer payload



SEMITRAILER, VAN, EXPANSIBLE, 6 TON, 4-WHEEL, M313

The M313 is designed to transport maintenance shop sets for use by intermediate maintenance activities in the field. It consists of a van body mounted on a steel beam frame, tandem axle, 4-wheel, dual-tire chassis. The chassis has a fixed gooseneck with a fitted kingpin, dual retractable landing gears, and a spare wheel and tire mounted underneath the frame on the right. The van body is designed to expand to approximately twice its normal width. This is achieved by expanding side panels actuated by expanding and retracting mechanisms, and counterbalanced hinged roof and floor sections. Stabilizing jacks can be fitted under the expandable floor to support it when more than 5,000 pounds is carried. The M313 can be equipped with a reverse cycle air conditioner for heating and cooling. Double doors with steps are located in the rear to provide access. This semitrailer requires 60 Hz external power to operate. It will be phased out when a containerized replacement is procured (TBD).

LOGISTIC DATA

TAMCN : D0290
 NSN : 2330-00-772-5273
 ID NUMBER: 04421A

CUBE : 2,263.3 cu ft
 CURB WEIGHT: 8,820 lbs
 WHEEL BASE: 48"
 GROUND CLEARANCE: 12"

BASIC DIMENSIONS

LENGTH : 252.5"
 WIDTH : 96" expandable to 167"
 HEIGHT : 92.75"
 SQUARE : 292.8 sq ft

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volt,
 negative ground; air conditioner
 powered by separate mobile
 electric generator

SEMITRAILER, VAN, EXPANSIBLE, 6 TON, 4-WHEEL, M313 (CONTINUED)

MECHANICAL DATA (CON'T)

BRAKES : Air-hydraulic, linked
to prime mover

CARGO COMPARTMENT

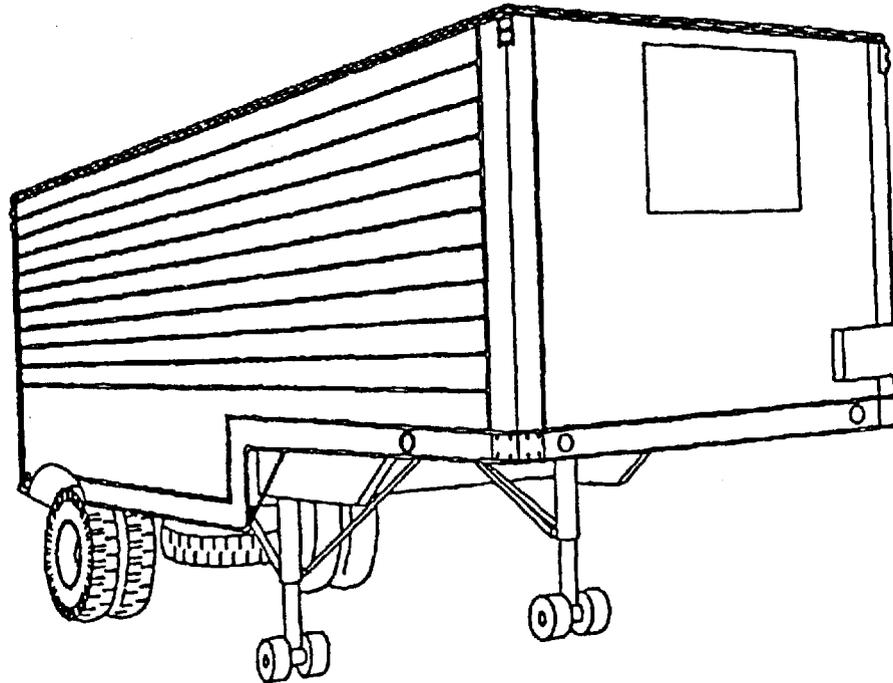
LENGTH : 203"
WIDTH : 82" expansible to 153"
HEIGHT : 75"
SQUARE : 115.6 sq ft expansible
to 215.7 sq ft

CUBE : 722.5 cu ft, expansible
to 1,348 cu ft

CAPACITY: 5,000 lbs, up to
10,000 lbs, highway movement
only

FORDING CAPABILITY

Can for hard, fat bottoms
Depth depends on prime mover and
semitrailer payload



SEMITRAILER, VAN, REFRIGERATOR, 7-1/2 TON, 2-WHEEL, M349A3

The M349A3 is a lightweight, all aluminum, insulated, single axle, dual-tire, 2-wheel van type semitrailer used by food service units in the field as a large, mobile refrigerator. The chassis frame is integral with the body. The body is raised in the front to accommodate a refrigeration unit, which is not a part of the M349A3. One 12 volt battery is required to start the refrigeration unit. Two landing gear assemblies are located under the body towards the front of the van and a spare wheel/tire is bolted to the underside of the body on the right side. A large door at the rear of the body provides access to cargo. The M349A3 is equipped with a kingpin and is normally towed by a 5 ton tractor. It is designed to operate on primary-or secondary roadways. Both the M349A3 and M349A4 are being replaced by an iso-configured reefer box and will no longer be a D-TAM item.

LOGISTIC DATA

TAMCN : D0300
 NSN : 2330-00-892-5057
 ID NUMBER: 04920A

BASIC DIMENSIONS

LENGTH : 260.75"
 WIDTH : 94.37"
 HEIGHT : 129.87"
 SQUARE : 196 sq ft
 CUBE : 2,133 cu ft

WEIGHT : 8,300 lbs
 GROUND CLEARANCE: 10"

FUEL DATA

TYPE : Gasoline
 GALLONS PER HOUR: 1.0

MECHANICAL DATA

ELECTRICAL SYSTEM: Service: 24
 volts negative ground powered by
 prime mover

SEMITRAILER, VAN, REFRIGERATOR, 7-1/2 TON, 2-WHEEL, M349A3 (CONTINUED)

MECHANICAL DATA (CON'T)

Refrigerator Starter Battery:
12 volts negative ground
Interior lighting powered by
starter battery
BRAKES : Air-hydraulic linked to
prime mover

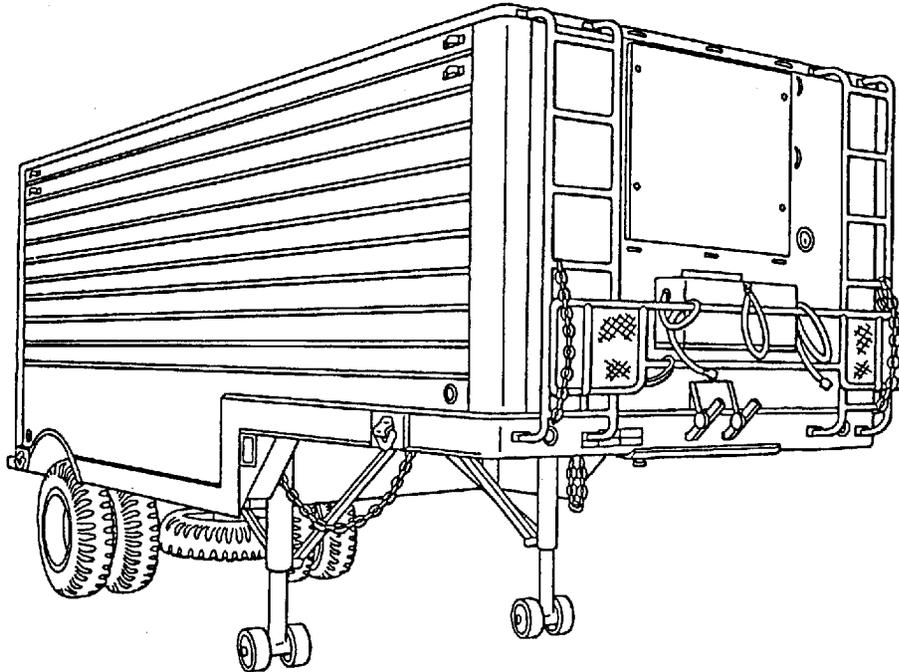
CARGO COMPARTMENT

LENGTH : 244.37"
WIDTH: 84.37"

HEIGHT FORWARD: 56.12"
HEIGHT REAR: 74.12"
SQUARE : 144 sq ft
CUBE : 777 cu ft
CAPACITY: 15,000 lbs

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover and
semitrailer payload



SEMITRAILER, VAN, REFRIGERATOR, 7-1/2 TON, 2-WHEEL, M349A4

The basic difference between the M349A4 and the M349A3 is that the M349A4 has two 12-volt batteries to start the refrigerator motor and the M349A3 has only one 12-volt battery.

LOGISTIC DATA

TAMCN : D0300
 NSN : 2330-00-999-3591
 ID NUMBER: 04920B

BASIC DIMENSIONS

LENGTH : 260.75"
 WIDTH : 94.37"
 HEIGHT : 129.87"
 SQUARE : 194 sq ft
 CUBE : 2,127 cu ft
 WEIGHT : 8,330 lbs
 GROUND CLEARANCE: 10"

FUEL DATA

TYPE : Gasoline
 GALLONS PER HOUR: 1.0

MECHANICAL DATA

ELECTRICAL SYSTEM: Service: 24
 volts, negative ground, powered
 by prime mover

Refrigerator Starter Battery:

(2) 12 volt, negative ground.
 Interior lighting powered by
 starter battery
 BRAKES : Air-hydraulic, linked
 to prime mover

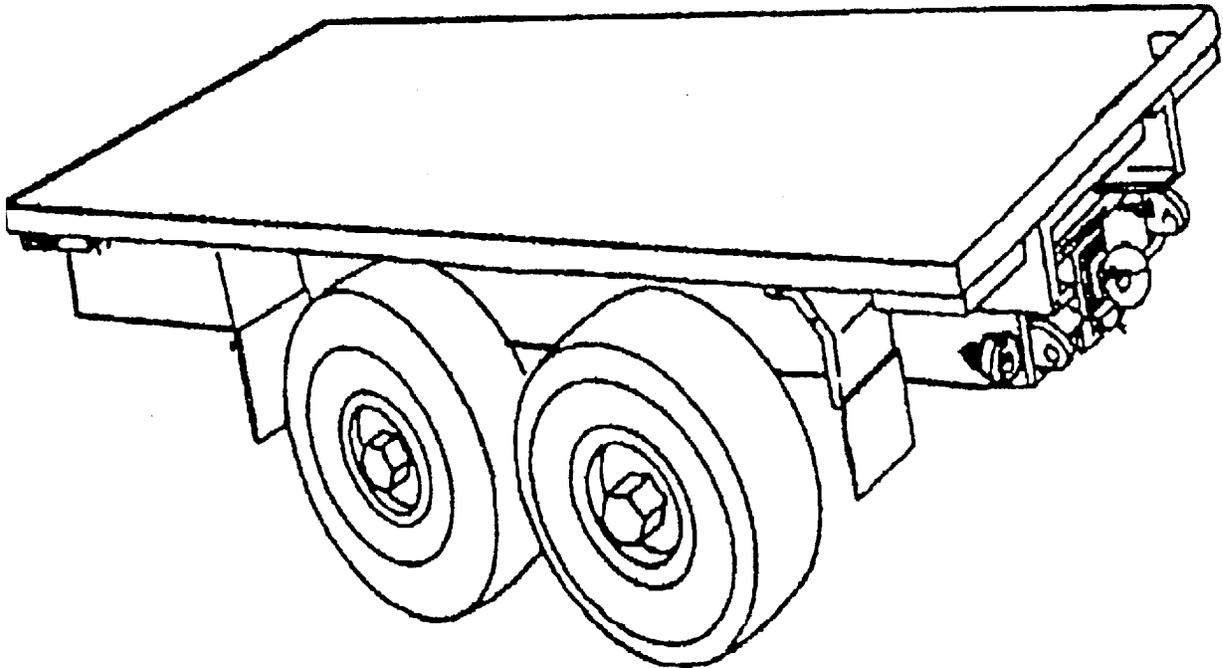
CARGO COMPARTMENT

LENGTH : 244.37"
 WIDTH: 84.37"
 HEIGHT FORWARD: 56.12"
 HEIGHT REAR: 74.12
 SQUARE : 144 sq ft
 CUBE : 873 cu ft
 CAPACITY: 15,000 lbs

FORDING CAPABILITY

Can for hard, flat bottoms
 Depth depends on prime mover and
 semitrailer payload

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TRAILER, POWERED, 22-1/4 TON, CONTAINER HAULER, 4x4, MK14, MOD 0

The MK14 combines with the MK48 Power Unit (D0209) to form the container hauler variant of the Logistics Vehicle System (LVS). The MK14 is a tandem axle, all metal, rear body unit coupled to the MK48 by an articulation joint to form an integrated, fully articulated wheeled vehicle. The MK14's primary mission is to transport International Standards Organization/American National Standards Institute (ISO/ANSI) containers, standardized cargo, shelters and functional modules from the beach to unit supply points. capable of accommodating up to six empty or four full fuel (B2085) or water (B2086) modules and one pump unit from the SIXCON system. The trailer is equipped with a towing pintle for towing other trailers and howitzers.

LOGISTIC DATA

TAMCN : D0876
 NSN : 2320-01-176-0469
 ID NUMBER: 08781A

CURB WEIGHT: 16,000 lbs
 MK48/14 WHEELBASE: 259"
 GROUND CLEARANCE: 23"

BASIC DIMENSIONS

LENGTH : 238.5"
 WIDTH : 96"
 HEIGHT : 50"
 SQUARE : 159 sq ft
 CUBE : 667 cu ft

DECK CAPABILITY

LENGTH : 239"
 WIDTH : 96"
 SQUARE : 160 sq ft
 CAPACITY: 25,000 lbs cross-country, 45,000 lbs highway

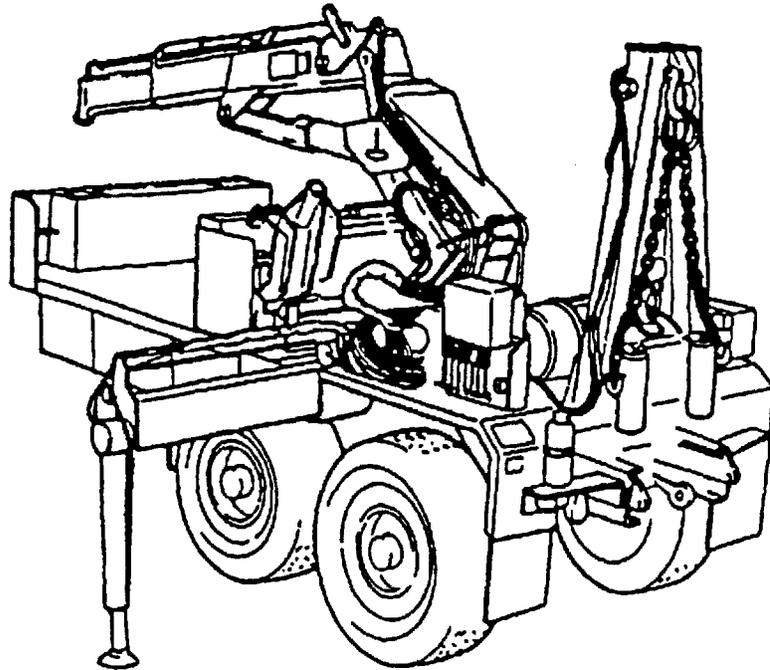
**TRAILER, POWERED, 22-1/4 TON, CONTAINER, HAULER, 4x4, MK14, MOD 0
(CONTINUED)**

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
negative ground, powered by
front power unit
BRAKES : Air, linked to front
power unit

FORDING DEPTH

60" without preparation



TRAILER, POWERED, WRECKER/RECOVERY, 4x4, MK15, MOD 0

The MK15 combines with the MK48 Power Unit (D0209) to form the wrecker/recovery variant of the Logistics Vehicle System (LVS). It is a fully equipped wrecker for recovery of disabled vehicles and Material Handling Equipment (MHE). The MK15 is primarily used for recovery of all LVS vehicles, and is capable of lifting and towing the M809, M939, CUCV and HMMWV series of vehicles. Lifting of a vehicle is accomplished by an A-Frame attached to the rear of the MK15. A heavy duty rear winch enables the wrecker to free mired vehicles. The wrecker is equipped with a Material Handling Crane (MHC) used for removing power packs, loading equipment and standardized containers. An auxiliary hydraulic circuit on the vehicle provides power for tools and can also be used to supply another trailer (MK15, MK16, MK17 or MK18) with hydraulics. The MK48/15 has a remote control unit that allows operation of the crane, A-Frame and winch from a distance.

LOGISTIC DATA

TAMCN : D0877
 NSN : 2320-01-176-6928
 ID NUMBER: 08782A

CURB WEIGHT: 26,000 lbs
 MK48/15 WHEELBASE: 259"
 GROUND CLEARANCE: 23"

BASIC DIMENSIONS

LENGTH : 240 "
 WIDTH : 96"
 HEIGHT : 96"
 SQUARE : 160 sq ft
 CUBE : 1,280 cu ft

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volt,
 negative ground, powered by
 front power unit
 BRAKES : Air, linked to front
 power unit

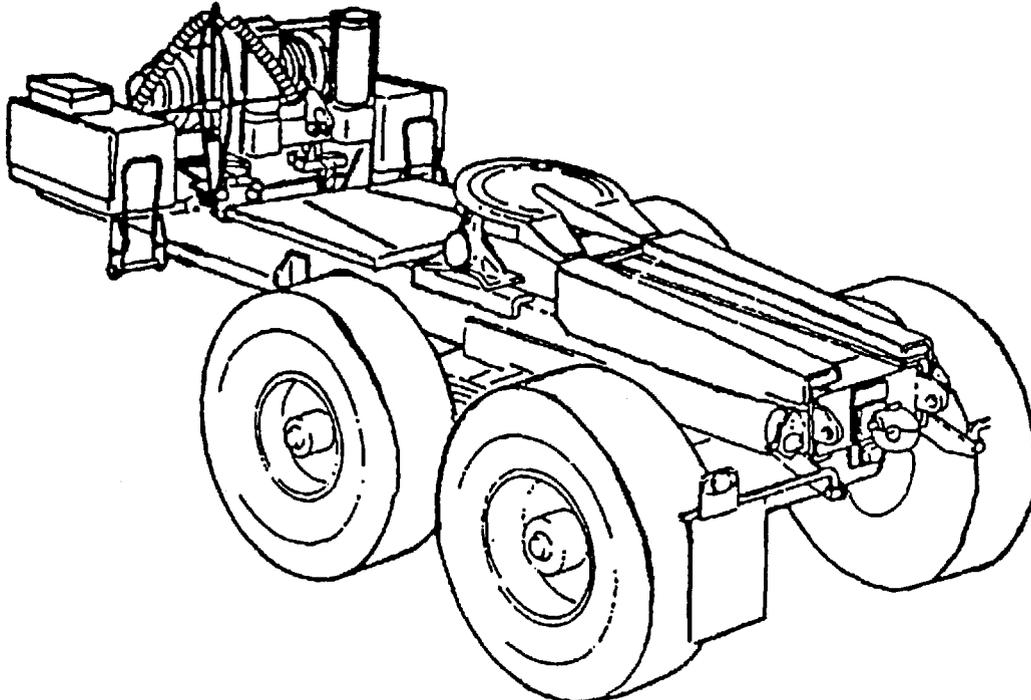
TRAILER, POWERED, WRECKER/RECOVERY, 4x4, MK15, MOD 0 (CONTINUED)

DECK CAPABILITY

LENGTH : 84"
WIDTH : 96"
SQUARE : 56 sq ft
CAPABILITY: 20,000 lbs cross-
country, 20,000 lbs highway,
towing 60,000 lbs

FORDING DEPTH

60" without preparation



**TRAILER, POWERED, FIFTH WHEEL SEMITRAILER, ADAPTER, J 4X4,
MK16, MOD 0**

The MK16 combines with the MK48 Power Unit (D0209) through an articulation joint to become an integrated, 8x8, wheeled vehicle of the Logistics Vehicle System (LVS). The MK48/16 is used to transport semi-trailers with 3.5 diameter kingpins. Its primary mission is to transport the M870 and M1000 series semitrailers. It can also transport towed type full trailers such as the M195, M149 and M353 series through the use of a towing pintle. A rear winch mounted in front of the fifth wheel is capable of pulling a combat loaded M60 series Tank onto an M870 Semitrailer without using the Tank's own power. The winch may also be used for recovery of other vehicles. A remote control unit is provided for operation of the winch. The full oscillating fifth wheel can be adjusted for highway and cross-country use. The MK48/16's cross-country mobility is limited by that of the semitrailer it tows.

LOGISTIC DATA

TAMCN : D0878
NSN : 2320-01-176-0467
ID NUMBER: 08783A

CUBE : 943 cu ft
CURB WEIGHT: 16,000 lbs
MAX PAYLOAD: 46,000 lbs highway
MK48/16 WHEELBASE: 229"
GROUND CLEARANCE: 23"

BASIC DIMENSIONS

LENGTH : 198"
WIDTH : 96"
HEIGHT : 87"
SQUARE : 132 sq ft

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volt,
negative ground, powered by
front power unit

TM 11240-15/4B

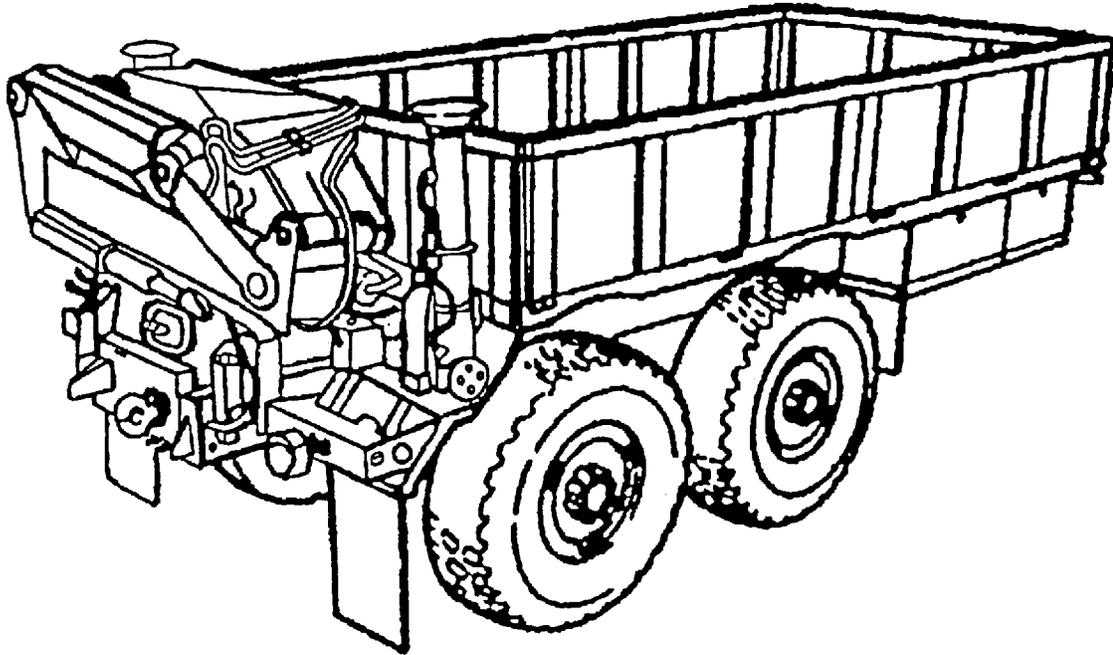
**TRAILER, POWERED, FIFTH WHEEL, SEMITRAILER ADAPTER, 4x4,
MK16, MOD O (CONTINUED)**

MECHANICAL DATA (CON'T)

BRAKES : Air, linked to front
power unit

FORDING DEPTH

60" without preparation



**TRAILER, POWERED, 20 TON, DROPSIDE, CARGO, WITH CRANE, 4x4,
MK17, MOD 0**

The MK17 combines with the MK48 Power Unit (D0209) to form the cargo carrying variant of the Logistics Vehicle System (LVS). The MK48/17 is utilized to transport pelletized cargo and International Standards Organization/American National Standards Institute (ISO/ANSI) containers. The side panels on the cargo bed can be dropped down or removed to ease loading and unloading activities. The side panels also provide seating for troops. A Material Handling Crane (MHC) at the rear of the vehicle is used to load and unload cargo and equipment. The MK48/17 is also capable of towing and positioning any of the towed howitzers within the USMC inventory.

LOGISTIC DATA

TAMCN : D0879
NSN : 2320-01-176-0468
ID NUMBER: 08784A

BASIC DIMENSIONS

LENGTH : 240"
WIDTH : 96"
HEIGHT : 96"
SQUARE : 160 sq ft
CUBE : 1,280 cu ft
CURB WEIGHT: 22,650 lbs
MK48/17 WHEELBASE: 259"
GROUND CLEARANCE: 23"

MECHANICAL DATA

ELECTRICAL SYSTEM: 24 volts,
negative ground, powered by
front power unit
BRAKES : Air, linked to front
power unit

DECK CAPACITY

LENGTH : 192"
WIDTH : 90"
HEIGHT : 26"
SQUARE : 120 sq ft
CUBE : 260 cu ft

TM 11240-15/4B

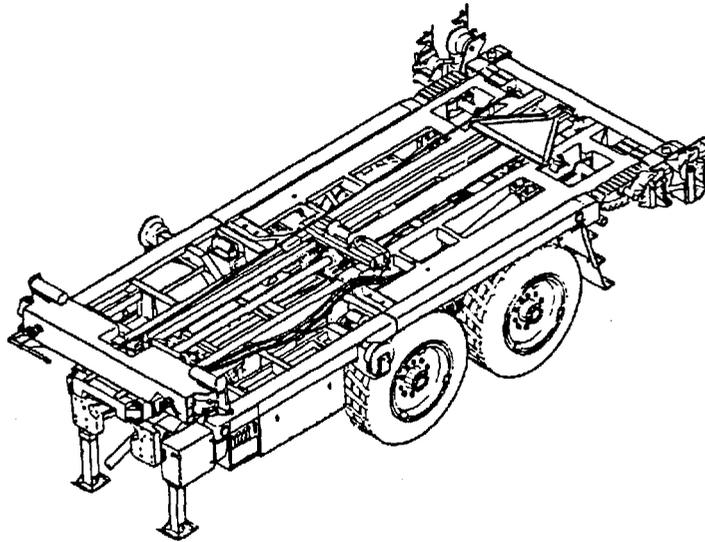
**TRAILER, POWERED, 20 TON, DROPSIDE, CARGO, WITH CRANE, 4x4,
MK17, MOD 0 (CONTINUED)**

DECK CAPACITY (CON'T)

CAPACITY: 20,000 lbs cross-
country, 39,000 lbs highway

FORDING DEPTH

60" without preparation



**TRAILER, POWERED, RIBBON BRIDGE/CONTAINER HAULER, 4x4,
MK18, MOD 0**

The MK18 combines with the MK48 Power Unit (D0209) to form the ribbon bridge transporter variant of the Logistics Vehicle System (LVS). The MK18 consists of a modified MK14 (container hauler) trailer with a lifting gear assembly mounted at the rear and a winch assembly mounted on the front of a split/pivotal bed. The MK18 is capable of self loading and unloading the Ribbon Bridge Set (B0155) and ISO/ANSI cargo containers through the use of hydraulic cylinders, pulleys and winches. Prior preparation of the trailer is not required for loading and unloading of ISO/ANSI containers but for the Bridge Set, the MK18 must be reconfigured by adding additional attachments. The reconfiguration for bridge loading and unloading requires approximately 25 to 30 minutes preparation time. The MK18 can be operated by remote control from a distance either in the container or bridge mode.

LOGISTIC DATA

TAMCN : D0881
NSN : 2320-01-324-5915
ID NUMBER: 04573B

CURB WEIGHT: 21,800 lbs
MK48/18 WHEEL BASE: 60"
GROUND CLEARANCE 12"
GVW : 86,300 lbs

BASIC DIMENSIONS

LENGTH : 304.5"
WIDTH : 96"
HEIGHT : 74.76"
SQUARE : 160 sq ft
CUBE : 800 cu ft

MECHANICAL DATA

ELECTRICAL SYSTEM: 24-volt,
negative ground, powered by
front power unit
BRAKES : Air, linked to front
power unit

TM 11240-15/4B

**TRAILER, POWERED, RIBBON BRIDGE/CONTAINER HAULER, 4 x 4, MK18, MOD O
(CONTINUED)**

DECK CAPACITY

LENGTH : 238"

WIDTH: 96"

SQUARE : 158.67 sq ft

CAPACITY: 25,000 lbs cross-
country 40,000 lbs highway

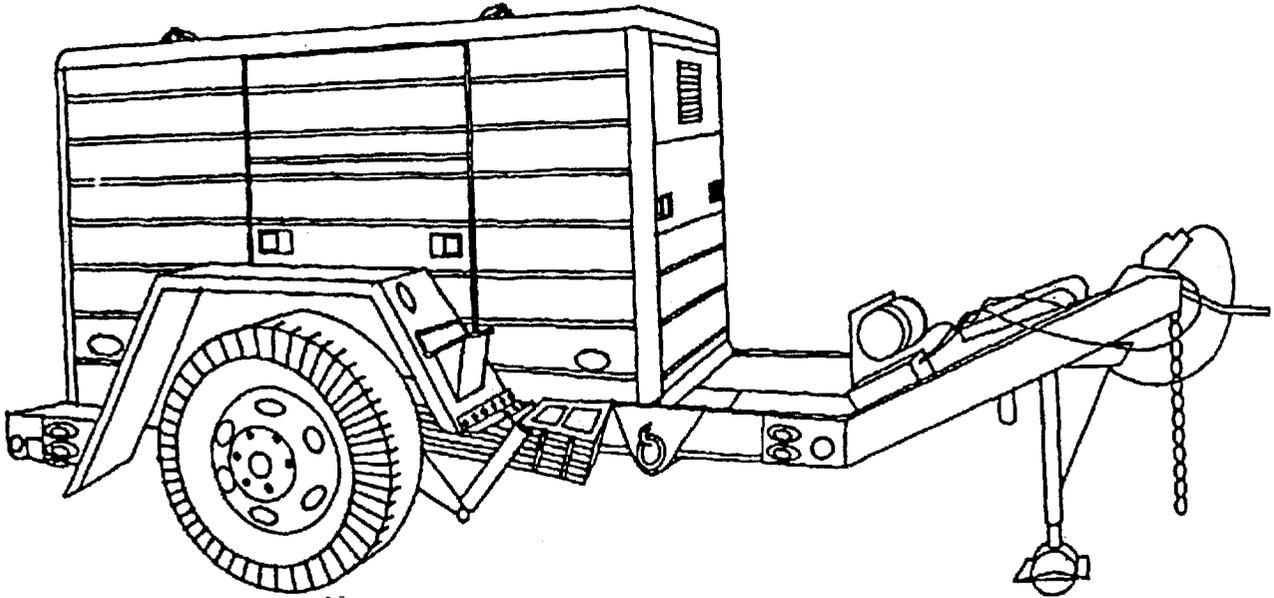
FORDING DEPTH

60" without preparation

CHAPTER 5. SHOP SETS AND MAJOR SERVICE UNITS

5.1 INTRODUCTION . The mobile shop sets and lubricating units depicted in this chapter consist of vehicle maintenance equipment. All of the equipment is used by Maintenance Battalion, FSSG to conduct intermediate maintenance in the field. Due to the redundancy among existing mobile shop sets, the Marine Corps procured two new shop sets (D0308 and D0335) to reduce the number of shop sets from six to three. The Marine Corps has a Shop Set Contact Maintenance (D0308) for equipment in the forward battle area; a Shop Set Fuel and Electrical Systems (D0335) for intermediate maintenance; and a Shop Set Automotive Field Maintenance (D0360) for major repairs.

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**LUBRICATING AND SERVICING UNIT, POWER OPERATED, TRAILER MOUNTED,
4A032-11**

The 4A032-11 is a trailer mounted, self-contained, gasoline powered unit equipped to lubricate all types of automotive equipment and components. It is mounted on a 2-1/2 ton trailer chassis. The unit consists of three storage tanks (grease, engine oil, and gear oil) and five hose reels (two for grease, one for engine oil, one for gear oil, and one for air service). Included is a set of hand guns, adapters, and couplings for specialized lubrication. An enclosure with doors on the side protects the unit from inclement weather. The 4A032-11 is manufactured by the Elliott Manufacturing Company.

LOGISTIC DATA

TAMCN : D0190
NSN : 4930-01-230-0781
ID NUMBER: 09219A

BASIC DIMENSIONS

LENGTH : 174"
WIDTH : 96"
HEIGHT : 77"
SQUARE : 118 sq ft
CUBE : 758 CU ft
WEIGHT : 5,610 lbs
GROUND CLEARANCE: 9 "

LUBRICANT CAPACITY

ENGINE OIL: 27 gal
GEAR LUBRICANT: 27 gal
GREASE : 175 lbs

FUEL DATA

TYPE : Gasoline
TANK CAPACITY: 10 gallons
GALLONS PER HOUR: 1.0

MECHANICAL DATA

COMPRESSOR MOTOR: 4 cylinder,
in-line, liquid cooled
HP: 6

TM 11240-15/4B

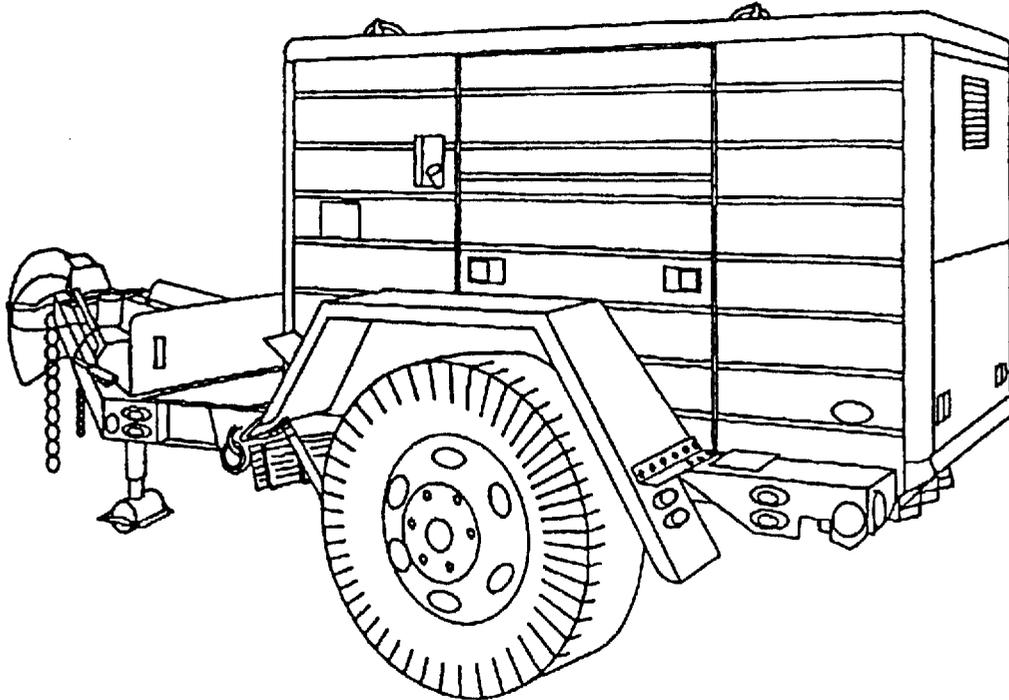
**LUBRICATING AND SERVICING UNIT, POWER OPERATED, TRAILER MOUNTED,
4A032-11 (CONTINUED)**

MECHANICAL DATA (CON'T)

ELECTRICAL SYSTEM: 24 volts,
negative ground
AIR COMPRESSOR: 23 CFM at 175
PSI

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover



LUBRICATING AND SERVICING UNIT, POWER OPERATED, TRAILER MOUNTED,
4A032-1

The 4A032-1 is identical to the 4A032-11 except that it is manufactured by Henry Spen Company instead of the Elliott Manufacturing Company.

LOGISTIC DATA

TAMCN : D0190
NSN: 4930-00-017-9167
ID NUMBER: 00633C

BASIC DIMENSIONS

LENGTH : 174"
WIDTH : 96"
HEIGHT : 77"
SQUARE : 118 sq ft
CUBE : 758 cu ft
WEIGHT : 5,610 lbs
GROUND CLEARANCE : 9"

FUEL DATA

TYPE : Gasoline
TANK CAPACITY: 10 gallons
GALLONS PER HOUR: 1.0

MECHANICAL DATA

COMPRESSOR MOTOR: 4 cylinder,
in-line, liquid cooled
HP: 6
ELECTRICAL SYSTEM: 24 volts,
negative ground
AIR COMPRESSOR: 23 CFM at 175
PSI

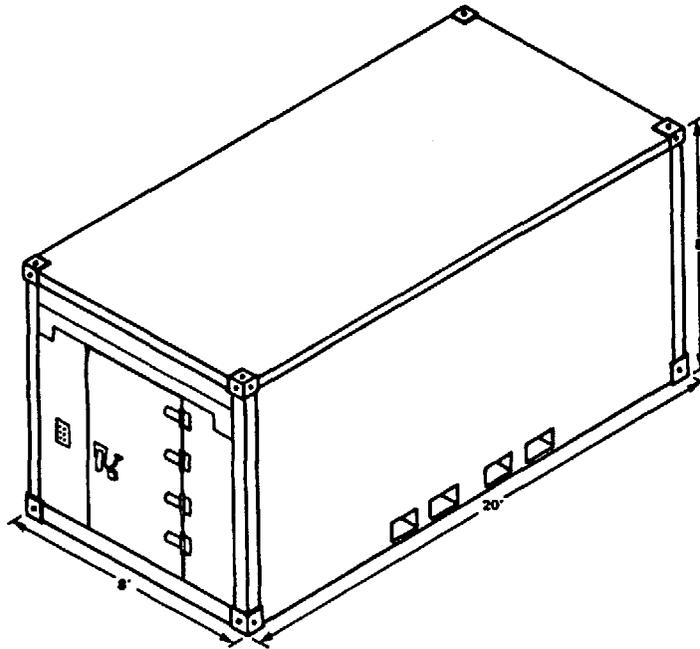
LUBRICANT CAPACITY

ENGINE OIL: 27 gallons
GEAR LUBRICANT: 27 gallons
GREASE : 175 lbs

FORDING CAPABILITY

Can ford hard, flat bottoms
Depth depends on prime mover

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SHOP SET, CONTACT MAINTENANCE

When fielded, this shop set will enable mobile motor transport contact maintenance teams to perform selected intermediate maintenance operations on site in support of motor transport equipment. It has been assigned TAMCN D0308 and will be mounted in a removable shelter on a single High Mobility Multi-Purpose Wheel Vehicle (HMMWV). Using units will select the equipment, based on operational requirements, to load on the HMMWV. Depending on the selection of equipment, this shop set may require 60 Hz electric power, but the shop set will not be equipped with a generator.

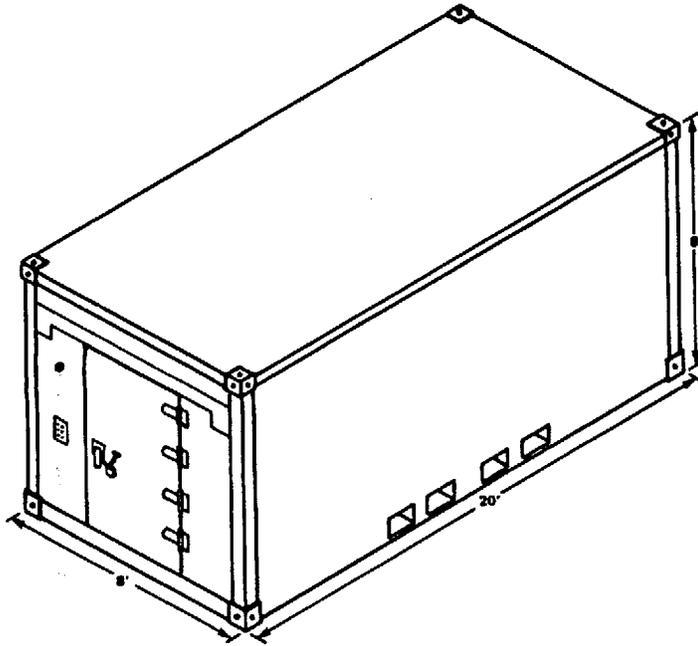
LOGISTIC DATA

TAMCN : D0308

NSN : TBD

ID NUMBER: TBD

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SHOP SET, AUTOMOTIVE, FUEL/ELECTRICAL SYSTEM, FIELD MAINTENANCE

When fielded, this shop will enable combat service support elements to perform intermediate maintenance tasks on motor transport fuel and electrical systems in the field. It has been assigned TAMCN D0335. The tool sets, chests, kits, and support equipment belonging to the existing shop sets will all be retained by the using units when the vehicles transporting the shop sets are dropped from the inventory. The maintenance equipment will then be utilized in a shelter the size of a 8'x 8'x 20' ISO/ANSI standard container. The entire shelter will be capable of being transported on a MK48/14 LVS Container Hauler. The shop set will require a 60 Hz generator set but a generator set is not included as a component of the shop set.

LOGISTIC DATA

TAMCN : D0335

NSN : TBD

ID NUMBER: TBD

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APPENDIX A
EQUIPMENT LISTING BY TAMCN SEQUENCE

TAMCN	NOMENCLATURE	MODEL NO.	PAGE
D0080	Chassis, Trailer, General Purpose 3-1/2 Ton, 2-Wheel	M353	3-3
D0085	Chassis, Trailer, 3/4 Ton, 2-Wheel	M116A2	3-5
D0085	Chassis, Trailer, 3/4 Ton, 2-Wheel	M762	3-7
D0105	Dolly Set, Lift, Transportable Shelter, 5-1/4 Ton	M832	3-9
D0120	Dolly, Trailer Converter, 8 Ton, 2- Wheel	M198A1	3-11
D0187	Truck, Utility, Shelter Carrier, 1- 1/4 Ton, 4x4, Without Winch, HMMWV (Heavy HMMWV)	M1097	2-79
D0190	Lubricating and Servicing Unit, Power Operated, Trailer Mounted	4A032-11	5-3
D0190	Lubricating and Servicing Unit, Power Operated, Trailer Mounted	4A032-1	5-5
D0201	Motorcycle, Military, 2-Wheel	M1030	2-3
D0209	Power Unit, Front, 12-1/2 Ton, 4x4	MK48 MOD 0	2-77
D0215	Semitrailer, Tank, 5,000 Gallon, Aircraft Refueler	M970	4-3
D0220	Semitrailer, Tank Transporter, Jointed, 65 Ton, 16-Wheel	M793	4-5
D0225	Semitrailer, Heavy Equipment Transporter, 70 Ton, 40-Wheel	M1000	4-7
D0235	Semitrailer, Low Bed, 40 Ton, Construction Equipment Transporter	M870	4-9
D0235	Semitrailer, Low Bed, 40 Ton, Construction Equipment Transporter	M870A1	4-11
D0250	Semitrailer, Stake, 6 Ton, 2-Wheel	M118A1	4-13
D0270	Semitrailer, Van, Repair parts Storage, 6 Ton, 4-Wheel	M750	4-15
D0290	Semitrailer, Van, Expansible, 6 Ton, 4-Wheel	M313	4-17
D0300	Semitrailer, Van, Refrigerator, 7- 1/2 Ton, 2-Wheel	M349A3	4-19

TAMCN	NOMENCLATURE	MODEL NO.	PAGE
D0300	Semitrailer, Van, Refrigerator, 7-1/2 Ton, 2-Wheel	M349A4	4-21
D0308	Shop Set, Contact Maintenance		5-7
D0335	Shop Set, Automotive, Fuel/Electrical System, Field Maintenance		5-9
D0850	Trailer, Cargo, 3/4 Ton, 2-Wheel	M101A2	3-13
D0860	Trailer, Cargo, 1-1/2 Ton, 2-Wheel	M105A2	3-15
D0876	Trailer, Powered, 22-1/4 Ton, Container Hauler, 4x4	MK14 MOD 0	4-23
D0877	Trailer, Powered, Wrecker/Recovery, 4x4	MK15 MOD 0	4-25
D0878	Trailer, Powered, Fifth Wheel, Semitrailer Adapter, 4x4	MK16 MOD 0	4-27
D0879	Trailer, Powered, 20 Ton, Dropside, Cargo, With Crane, 4x4	MK17 MOD 0	4-29
D0880	Trailer, Tank, Water, 400 Gallon, 1-1/2 Ton, 2-Wheel	M149A2	3-17
D0881	Trailer, Powered, Ribbon Bridge/Container Hauler, 4x4	MK18 MOD 0	4-31
D0918	Truck, Ambulance, 1-1/4 Ton, Diesel, 4x4	M1010	2-31
D1001	Truck, Ambulance, 4-Litter, Armored, 1-1/4 Ton, 4x4, HMMWV	M997	2-17
D1002	Truck, Ambulance, 2-Litter, Soft Top, 1-1/4 Ton, 4x4, HMMWV	M1035	2-19
D1016	Truck, Cargo, Tactical, 1-1/4 Ton, 4x4	M1008	2-25
D1059	Truck, Cargo, Dropside, 5 Ton, 6x6, Without Winch	M813A1	2-45
D1059	Truck, Cargo, Dropside, 5 Ton, 6x6, With Winch	M813A1	2-47
D1059	Truck, Cargo, Dropside, 5 Ton, 6x6, Without Winch	M923A2	2-49
D1059	Truck, Cargo, Dropside, 5 Ton, 6x6, With Winch	M925A2	2-51
D1061	Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, Without Winch	M814	2-53

TAMCN	NOMENCLATURE	MODEL NO.	PAGE
D1061	Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, Without Winch	M927A2	2-55
D1061	Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, With Winch	M928A2	2-57
D1064	Truck, Firefighting, Aircraft Crash and Structure Fire	A/S32P-19A	2-75
D1072	Truck, Dump, 5 Ton, 6x6, Without Winch	M817	2-59
D1072	Truck, Dump, 5 Ton, 6x6, With Winch	M817	2-61
D1072	Truck, Dump, 5 Ton, 6x6, Without Winch	M929A2	2-63
D1072	Truck, Dump, 5 Ton, 6x6, With Winch	M930A2	2-65
D1082	Truck, Firefighting, 1-1/4 Ton, 4x4	M1028FF	2-29
D1084	Truck, Firefighting, Brush	M530CB	2-41
D1092	Truck, Maintenance, Telephone/Utility, Construction, 5 Ton, 6x6	M876A1	2-43
D1105	Truck, Shelter, Tactical, 1-1/4 Ton, 4x4	M1028	2-27
D1105	Truck, Chassis, Tactical, 1-1/4 Ton, 4x4	M1031	2-33
D1110	Truck, Tank, Fuel Service, 1,200 Gallon, 2-1/2 Ton, 6x6	M49A2C	2-35
D1120	Truck, Tank, Water, 1,000 Gallon, 2-1/2 Ton, 6x6	M50A2	2-37
D1125	Truck, Tow Carrier, With Supplemental Armor, 1-1/4 Ton, 4x4, Without Winch, HMMWV	M1045	2-13
D1125	Truck, Tow Carrier, With Supplemental Armor, 1-1/4 Ton, 4x4, With Winch, HMMWV	M1046	2-15
D1134	Truck, Tractor, 5 Ton	M818	2-67
D1134	Truck, Tractor, 5 Ton, 6x6, Without Winch	M93 1A2	2-69
D1158	Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, Without Winch, HMMWV	M998	2-5
D1158	Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, With Winch, HMMWV	M1038	2-7

TAMCN	NOMENCLATURE	MODEL NO.	PAGE
D1159	Truck, Utility, Armament Carrier, With Supplemental Armor, 1-1/4 Ton, 4x4, Without Winch, HMMWV	M1043	2-9
D1159	Truck, Utility, Armament Carrier, With Supplemental Armor, 1-1/4 Ton, 4x4, With Winch, HMMWV	M1044	2-11
D1180	Truck, Utility, Shelter Carrier, 1- 1/4 Ton, 4x4, Without Winch, HMMWV	M1037	2-21
D1180	Truck, Utility, Shelter Carrier, 1- 1/4 Ton, 4x4, With Winch, HMMWV	M1042	2-23
D1190	Truck, Van, 2-1/2 Ton, 6x6	M109A3	2-39
D1212	Truck, Wrecker, Medium, 5 Ton, 6x6, With Winch	M816	2-71
D1212	Truck, Wrecker, Medium, 5 Ton, 6x6, With Winch	M93 6A2	2-73

APPENDIX B
EQUIPMENT LISTING BY NOMENCLATURE

NOMENCLATURE	TAMCN	MODEL NO.	PAGE
Chassis, Trailer, 3/4 Ton, 2-Wheel	DO085	M762	3-7
Chassis, Trailer, 3/4 Ton, 2-Wheel	DO085	M116A2	3-5
Chassis, Trailer, General Purpose, 3-1/2 Ton, 2-Wheel	DO080	M353	3-3
Dolly Set, Lift, Transportable Shelter, 5-1/4 Ton	DO105	M832	3-9
Dolly, Trailer Converter, 8 Ton, 2-Wheel	DO120	M198A1	3-11
Lubricating and Servicing Unit, Power Operated, Trailer Mounted	DO190	4A032-1	5-5
Lubricating and Servicing Unit, Power Operated, Trailer Mounted	DO190	4A032-11	5-3
Motorcycle, Military, 2-Wheel	DO201	M1030	2-3
Power Unit, Front, 12-1/2 Ton, 4x4	DO209	MK48 MOD O	2-77
Semitrailer, Heavy Equipment Transporter, 70 Ton, 40-Wheel	DO225	M1000	4-7
Semitrailer, Low Bed, 40 Ton, Construction Equipment Transporter	DO235	M870A1	4-11
Semitrailer, Low Bed, 40 Ton, Construction Equipment Transporter	DO235	M870	4-9
Semitrailer, Stake, 6 Ton, 2-Wheel	DO250	M118A1	4-13
Semitrailer, Tank, 5,000 Gallon, Aircraft Refueler	DO215	M970	4-3
Semitrailer, Tank Transporter, Jointed, 65 Ton, 16-Wheel	DO220	M793	4-5
Semitrailer, Van, Expansible, 6 Ton, 4 -Whee 1	DO290	M313	4-17
Semitrailer, Van, Refrigerator, 7- 1/2 Ton, 2-Wheel	DO300	M349A4	4-21
Semitrailer, Van, Refrigerator, 7- 1/2 Ton, 2-Wheel	DO300	M349A3	4-19
Semitrailer, Van, Repair Parts Storage, 6 Ton, 4-Wheel	DO270	M750	4-15

NOMENCLATURE	TAMCN	MODEL NO.	PAGE
Shop Set, Automotive, Fuel/ Electrical System, Field Maintenance	D0335		5-9
Shop Set, Contact Maintenance	D0308		5-7
Trailer, Cargo, 1-1/2 Ton, 2-Wheel	D0860	M105A2	3-15
Trailer, Cargo, 3/4 Ton, 2-Wheel	D0850	M101A2	3-13
Trailer, Powered, 20 Ton, Dropside, Cargo, With Crane, 4x4	D0879	MK17 MOD O	4-29
Trailer, Powered, 22-1/4 Ton, Container Hauler, 4x4	D0876	MK14 MOD O	4-23
Trailer, Powered, Fifth Wheel, Semitrailer Adapter, 4x4	D0878	MK16 MOD O	4-27
Trailer, Powered, Ribbon Bridge/Container Hauler, 4x4	D0881	MK18 MOD O	4-31
Trailer, Powered, Wrecker/Recovery, 4x4	D0877	MK15 MOD O	4-25
Trailer, Tank, Water, 400 Gallon, 1-1/2 Ton, 2-Wheel	D0880	M149A2	3-17
Truck, Ambulance, 1-1/4 Ton, Diesel, 4x4	D0918	M1010	2-31
Truck, Ambulance, 2-Litter, Soft Top, 1-1/4 Ton, 4x4, HMMWV	D1002	M1035	2-19
Truck, Ambulance, 4-Litter, Armored, 1-1/4 Ton, 4x4, HMMWV	D1001	M997	2-17
Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, With Winch	D1061	M928A2	2-57
Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, Without Winch	D1061	M814	2-53
Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, Without Winch	D1061	M927A2	2-55
Truck, Cargo, Dropside, 5 Ton, 6x6, Without Winch	D1059	M923A2	2-49
Truck, Cargo, Dropside, 5 Ton, 6x6, Without Winch	D1059	M813A1	2-45
Truck, Cargo, Dropside, 5 Ton, 6x6, With Winch	D1059	M925A2	2-51
Truck, Cargo, Dropside, 5 Ton, 6x6, With Winch	D1059	M813A1	2-47

NOMENCLATURE	TAMCN	MODEL NO.	PAGE
Truck, Cargo, Tactical, 1-1/4 Ton, 4x4	D1016	M1008	2-25
Truck, Chassis, Tactical, 1-1/4 Ton, 4x4	D1105	M1031	2-33
Truck, Dump, 5 Ton, 6x6, With Winch	D1072	M93 0A2	2-65
Truck, Dump, 5 Ton, 6x6, With Winch	D1072	M817	2-61
Truck, Dump, 5 Ton, 6x6, Without Winch	D1072	M929A2	2-63
Truck, Dump, 5 Ton, 6x6, Without Winch	D1072	M817	2-59
Truck, Firefighting, 1-1/4 Ton, 4x4	D1082	M1028FF	2-29
Truck, Firefighting, Aircraft Crash and Structure Fire	D1064	A/S32P-19A	2-75
Truck, Firefighting, Brush	D1084	M530CB	2-41
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Truck, Shelter, Tactical, 1-1/4 Ton, 4x4	D1105	M1028	2-27
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MODEL NO.	TAMCN	NOMENCLATURE	PAGE
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MODEL NO.	TAMCN	NOMENCLATURE	PAGE
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