

**TM 11240-15/4C**

**U.S. MARINE CORPS TECHNICAL MANUAL**

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**MOTOR TRANSPORT TECHNICAL  
CHARACTERISTICS MANUAL**



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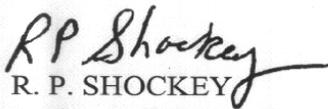
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31 July 2002

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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 given 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. Shipping weight, cube and square are shown for each vehicle when available. All fuel consumption figures are estimates. Actual fuel consumption varies 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:

- a. Mobile ordnance items such as tanks and Light Armored Vehicles (LAV)
- b. Construction and material handling equipment such as forklifts and bulldozers.
- c. Mobile communications equipment of which the primer mover is a component.
- d. Garrison mobile equipment.
- e. Nonstandard/unauthorized vehicles procured with locally managed funds such as:
  - (1) 4x4 all terrain vehicles.
  - (2) Mobilizers.
  - (3) Trailers.
- f. Vehicles procured by non-appropriated funds.

## 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 M1030/M1030B1 utility motorcycles are used as an alternate means of transporting personnel, messages, documents and light cargo.
- b. The M998 (HMMWV) series 1-1/4 ton family and the heavier M1123 and M1097 (HMMWVA2) series 2-1/4 ton trucks are utilized to transport passengers, cargo and communication equipment and as a weapon's platform.
- 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 weapons systems. They are also utilized in engineer construction units.
- d. The M939 series of 5 ton trucks is an improved version of the M809 series and are used for the same purpose as the M809 series of 5 ton trucks discussed above.
- e. The Medium Tactical Vehicle Replacement (MTVR) is the newest series of trucks in the Marine Corps inventory utilizing state of the art commercial technology. The MTVR series replaces the M813, M923, M925, M814, M928, M817, M816 and M936 series of vehicles. It will be utilized in the same manner as the vehicles it replaces.
- f. The Logistics Vehicle System (LVS) is utilized as a container hauler, recovery vehicle, prime mover, crane hauler and ribbon bridge transporter.
- g. The A/S32P-19A, Aircraft Crash and Structure Firefighting Trucks are utilized to perform aircraft crash/rescue operations and the fighting of other types of fires such as brush and structural.

**2-3. PLANNED ACQUISITIONS.** The following vehicles or series of vehicles are planned for introduction into the Marine Corps inventory:

- a. The Marine Corps has selected the Medium Tactical Vehicle Replacement (MTVR) built by OSHKOSH Truck Company and with fielding starting in FY01. 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 FY01. 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.

b. The Logistics Vehicle System Replacement (LVSR) will replace the current Marine Corps heavy tactical wheeled vehicle, the Logistics Vehicle System (LVS). The LVSR will be comprised of two separate modules that are coupled together to form an integral, all-wheel drive vehicle. The LVSR will fulfill a variety of missions; bulk/break, bulk/palletized cargo, cover sided engineer equipment, wrecker/recovery, 5<sup>th</sup> wheel semi-trailer adapter and a self-loading transporter for 20-foot standardized containers, ribbon bridges or bridge boats and a flat rack system. Initial fielding of the LVSR is projected for FY16.

c. A Maintenance Contact Team Vehicle, consisting of a M1097 Heavy HMMWV with a modular shop set, were fielded to support motor transport, engineer and ordnance equipment contact maintenance requirements. Once the truck is modified with the contact shelter, it becomes TAMCN C7033, NSN 4940-01-333-8470. It replaced the B1945 and E1716.

**MILITARY MOTORCYCLE, M1030**

TAMCN: D0201

NSN: 2340-01-340-5246

ID NUMBER: 09580A



Figure 2-1. Motorcycle, Military, 2-Wheel, M1030

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: Kawasaki/Hayes Diversified Technologies

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	293 lbs.	293 lbs.
Length:	86 in	86 in
Width:	34 in	34 in
Height:	48 in	48 in
Square:	20.3 ft <sup>2</sup>	20.3 ft <sup>2</sup>
Cube:	81.2 ft <sup>3</sup>	81.2 ft <sup>3</sup>

Fuel Capacity: 2.8 gallons

Fuel consumption: 75 mpg

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**REFERENCES**

TM 09580A-10/1

TM 09580A-14/2

TM 09580-14P/3

**MARINE CORPS MOTORCYCLE, M1030B1**

TAMCN: D0201

NSN: 2340-01-465-2533

ID NUMBER: 09580B



Figure 2-2. Marine Corps Motorcycle, M1030B1

**DESCRIPTION AND FUNCTION**

The M1030B1 Motorcycle is a two-wheeled, gasoline powered, dual purpose on and off road utility vehicle. The motorcycle is a commercially available Kawasaki KRL 650 modified for military use by Hayes Diversified Technologies. The M1030B1 will be employed in garrison and field environments and is designed to perform in all weather conditions (except snow and ice). The M1030B1 can be used for tactical and urban reconnaissance, convoy control and military police functions. The M1030B1 is the replacement for the M1030 KRL 250 Motorcycle.

Manufacturer: Kawasaki/Hayes  
Diversified Technologies

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	338 lbs.	338 lbs.
Length:	88 in	88 in
Width:	38 in	38 in
Height:	54 in	54 in
Square:	23.2 ft <sup>2</sup>	23.2 ft <sup>2</sup>
Cube:	104.5 ft <sup>3</sup>	104.5 ft <sup>3</sup>

Fuel Capacity: 6 gallons

Fuel consumption: 50 mpg

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**REFERENCES**

TM 09580B-30/2

TM 09580B-40/3

**FAST ATTACK VEHICLE (FAV)**

TAMCN: D1160

NSN: 2320-01-467-0677

ID NUMBER: 04751E



Figure 2-3. Fast Attack Vehicle (FAV)

**DESCRIPTION AND FUNCTION**

The FAV is a lightweight, thin-skinned, highly mobile weapons platform that will provide reconnaissance units with improved ground mobility. It is currently planned to replace the Fast Attack Vehicle. It is internally transportable by the CH-53 helicopter and has mobility comparable to the Marine Air-Ground Task Force (MAGTF) maneuver elements. Ballistic protection offered by the FAV is limited to grenade protection provided by the floorboards. Speed, maneuverability and the use of cover and concealment are the crew's primary means of survival.

Manufacturer: Diamler - Chrysler

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	4,700 lbs.	8,000 lbs.
Length:	179 in	179 in
Width:	65 in	65 in
Height:	73 in	53 in
Square:	81 ft <sup>2</sup>	81 ft <sup>2</sup>
Cube:	492 ft <sup>3</sup>	357 ft <sup>3</sup>

**TM 11240-15/4C**

Fuel Capacity: 26 gallons

Fuel consumption: 19 mpg

**ASSOCIATED ITEMS**

M240G  
Machine Gun

M2, .50 Caliber  
Machine Gun

MK-19 40mm  
Machine Gun

**REFERENCES**

**TRUCK, UTILITY, CARGO/TROOP CARRIER, M998**

TAMCN: D1158

NSN: 2320-01-107-7155

ID NUMBER: 08770A



Figure 2-4. Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, without Winch, HMMWV, M998

**DESCRIPTION AND FUNCTION**

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 and 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 vehicle unique tools. It is equipped with a towing pintle for towing and tie-down/lifting eyes for air, rail, highway or ocean shipment.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,850 lbs.	5,060 lbs.
Length:	182.5 in	182.5 in
Width:	86 in	86 in
Height:	73.5 in	56 in
Square:	109 ft <sup>2</sup>	109 ft <sup>2</sup>
Cube:	668 ft <sup>3</sup>	509 ft <sup>3</sup>

Fuel Capacity: 25.5 gallons

Fuel consumption: 14 mpg

TM 11240-15/4C

**REFERENCES**

TM 2320-10/6B  
TM 2815-34/3A  
TM 4750-15/2-4

TM 2320-24/8A  
TM 2815-34P/4B

TM 2320-34/9B  
TM 2320-20/7B

TM-2320-50/1  
TM-3080-34

**TRUCK, UTILITY, CARGO/TROOP CARRIER, M1038**

TAMCN: D1158

NSN: 2320-01-107-7156

ID NUMBER: 08771A

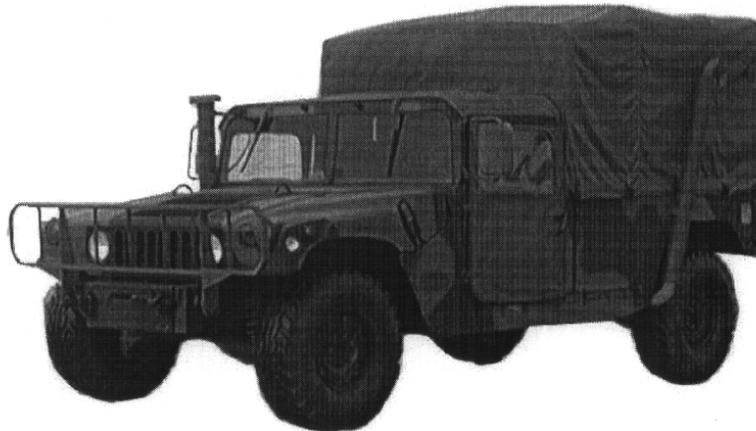


Figure 2-5. Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, with Winch, HMMWV, M1038

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,140 lbs.	5,140 lbs.
Length:	185 in	185 in
Width:	85 in	85 in
Height:	69 in	55 in
Square:	110 ft <sup>2</sup>	110 ft <sup>2</sup>
Cube:	628 ft <sup>3</sup>	501 ft <sup>3</sup>

Fuel Capacity: 25 gallon

Fuel consumption: 14 mpg

**REFERENCES**

TM 2320-10/6B  
 TM 2815-34/3A  
 TM 11240-15/4C

TM 2320-24P/8A  
 TM 2815-34P/4B  
 TM 3080-34

TM 2320-34/9B  
 TM 2320-20/7B  
 TM 4750-15/2-4

TM 2320-50/1  
 TM 2320-20/7C

**TRUCK, UTILITY, TROOP/CARGO, M1123**

TAMCN: D1158

NSN: 2320-01-380-8604

ID NUMBER: 08770D



Figure 2-6. Truck, Utility, Troop/Cargo, 2-1/4 Ton, 4x4, M1123

**DESCRIPTION AND FUNCTION**

The M1123 troop/cargo variant (HMMWVA2) will replace the M998, M998A1, M1038 and the M1038A1 variant HMMWVs. The M1123 provides light troop and cargo transportation. Available in two and four person configurations, this model can accept installation of troop seats and other modifications. This variant can be used as the vehicle platform for mobile communication systems as well as other mobile alternate command posts.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5850 lbs.	5,5850 lbs.
Length:	182.5 in	182.5 in
Width:	85 in	85 in
Height:	72 in	54 in
Square:	114 ft <sup>2</sup>	114 ft <sup>2</sup>
Cube:	682 ft <sup>3</sup>	481 ft <sup>3</sup>
Fuel Capacity: 25 gallon	Fuel consumption: 14 mpg	

**ASSOCIATED ITEMS**

MRC radio sets

**REFERENCES**

TM 2320-10/6B  
TM 2815-34/3A  
TM 11240-15/4C

TM 2320-24P/8A  
TM 2815-34P/4B  
TM 3080-34

TM 2320-34/9B  
TM 2320-20/7B  
TM 4750-15/2-4

TM 2320-50/1  
TM 2320-20/7C

**TRUCK, UTILITY, ARMAMENT CARRIER, M1043**

TAMCN: D1159

NSN: 2320-01-146-7190

ID NUMBER: 08776A



Figure 2-7. Truck, Utility, Armament Carrier, with Supplemental Armor, 1-1/4 ton, 4x4, without Winch, HMMWV, M1043

**DESCRIPTION AND FUNCTION**

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 that provides added ballistic protection to the crew, equipment and ammunition. It is designed as a weapons platform for the M240G, 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 any of the three machineguns. Its chassis, mechanical components and performance are the same as other models of the M998 series.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,977 lbs.	5,977 lbs.
Length:	180 in	180 in
Width:	85 in	85 in
Height:	73 in	71 in
Square:	107 ft <sup>2</sup>	107 ft <sup>2</sup>
Cube:	647 ft <sup>3</sup>	629 ft <sup>3</sup>

Fuel Capacity: 25 gallons

Fuel consumption: 14 mpg

**ASSOCIATED ITEMS**

M240G 7.62mm  
Machinegun

MK 19 40mm  
Machinegun

M2 .50 caliber  
Machinegun

**REFERENCES**

TM 2320-10/6B  
TM 2815-34/3A  
TM 4750-15/2-4

TM 2320-24P/8A  
TM 2815-34P/4B

TM 2320-34/9B  
TM 2320-20/7B

TM 2320-50/1  
TM 3080-34

**TRUCK, UTILITY, ARMAMENT CARRIER, M1044**

TAMCN: D1159

NSN: 2320-01-146-7189

ID NUMBER: 08777A



Figure 2-8. Truck, Utility, Armament Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, with Winch, HMMWV, M1044

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	6,104 lbs.	6,104 lbs.
Length:	185 in	185 in
Width:	85 in	85 in
Height:	73 in	71 in
Square:	110 ft <sup>2</sup>	110 ft <sup>2</sup>
Cube:	665 ft <sup>3</sup>	647 ft <sup>3</sup>
Fuel Capacity:	25 gallons	Fuel consumption: 14 mpg

**ASSOCIATED ITEMS**

M240G 7.62mm  
Machinegun

MK 19 40mm  
Machinegun

M2 .50 caliber  
Machinegun

**REFERENCES**

TM 2320-10/6B  
TM 2815-34/3A  
TM 4750-15/2-4

TM 2320-24P/8A  
TM 2815-34P/4B

TM 2320-34/9B  
TM 2320-20/7B

TM 2320-50/1  
TM 3080-34

**TRUCK, UTILITY, ARMAMENT CARRIER, M1043A2**

TAMCN: D1159

NSN: 2320-01-380-8213

ID NUMBER: 08776C



Figure 2-9. Truck, Utility; Armament Carrier, with Supplemental Armor, 2-1/4 Ton, 4x4, M1043A2

**DESCRIPTION AND FUNCTION**

The M1043A2 armored variant will replace the M1043 and M1044 variants. They can be armed with the M240G 7.62 mm medium machinegun, M2 .50 caliber, heavy barrel machinegun or the MK19, 40mm, heavy machinegun. These supplemental armored vehicles provide immediate, mobile, suppressive and destructive fires in support of the maneuver unit commander.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	7,210 lbs.	7,210 lbs.
Length:	182.5 in	182.5 in
Width:	86 in	86 in
Height:	78 in	78 in
Square:	109 ft <sup>2</sup>	109 ft <sup>2</sup>
Cube:	709 ft <sup>3</sup>	709 ft <sup>3</sup>

Fuel Capacity: 25 gallons

Fuel consumption: 14 mpg

**ASSOCIATED ITEMS**

M240G 7.62mm  
Machinegun

MK 19 40mm  
Machinegun

M2 .50 caliber  
Machinegun

Associated Radio  
System

**REFERENCES**

TM 2320-280-10  
TM 2320-280-34P

TM 2320-280-20

TM 2320-280-20P

TM 2320-280-34

**TRUCK, TOW CARRIER, M1045**

TAMCN: D1125

NSN: 2320-01-146-7191

ID NUMBER: 08778A



Figure 2-10. Truck, TOW Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, without Winch, HMMWV, M1045

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	7,098 lbs.	7,098 lbs.
Length:	180 in	180 in
Width:	85 in	85 in
Height:	73 in	71 in
Square:	107 ft <sup>2</sup>	107 ft <sup>2</sup>
Cube:	647 ft <sup>3</sup>	629 ft <sup>3</sup>

Fuel Capacity: 25 gallons

Fuel consumption: 14 mpg

**ASSOCIATED ITEMS**

M220E2 TOW-2  
Missile System

Associated radio  
set

**REFERENCES**

TM 2320-10/6B  
TM 2815-34/3A  
TM 3080-34

TM 2320-24P/8A  
TM 2815-34/4B  
TM 4750-15/2-4

TM 2320-34/9B  
TM 2320-20/7B

TM 2320-50/1  
TM 11240-15/4C

**TRUCK, TOW CARRIER, M1046**

TAMCN: D1125

NSN: 2320-01-146-7188

ID NUMBER: 08779A



Figure 2-11. Truck, Utility, TOW Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, with Winch, HMMWV, M1046

**DESCRIPTION AND FUNCTION**

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 and can be installed on any M1045 to convert it to an M1046.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	7,178 lbs.	7,178 lbs.
Length:	185 in	185 in
Width:	85 in	85 in
Height:	73 in	71 in
Square:	110 ft <sup>2</sup>	110 ft <sup>2</sup>
Cube:	665 ft <sup>3</sup>	647 ft <sup>3</sup>
Fuel Capacity:	25 gallons	Fuel consumption: 14 mpg

**ASSOCIATED ITEMS**

M220E 2TOW-2 Missile System	Associated radio set
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**REFERENCES**

TM 2320-10/6/B	TM 2320-24P/8A	TM 2320-34/9B	TM 2320-50/1
TM 2815-34/3A	TM 2815-34P/4B	TM 2320-20/7B	TM 11240-15/4C
TM 3080-34	TM 4750-15/2-4		

**TRUCK, TOW CARRIER, M1045A2**

TAMCN: D1125

NSN: 2320-01-380-8229

ID NUMBER: 08778D



Figure 2-12. Truck, Utility; TOW Carrier, with Supplemental Armor, 2-1/4 Ton, 4x4, M1045A2

**DESCRIPTION AND FUNCTION**

The M1045A2 TOW missile variant will replace the M1045 and the M1046 HMMWV variants. This variant functions as the Tube-Launched, Optical-Tracked, Wire-Guided (TOW) missile carrier. It provides ground mobility for the TOW missile system, giving commanders a more flexible and time sensitive, medium to long range, anti-armor capability.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	7,264 lbs.	7,264 lbs.
Length:	182.5 in	182.5 in
Width:	86 in	86 in
Height:	76 in	76 in
Square:	109 ft <sup>2</sup>	109 ft <sup>2</sup>
Cube:	690 ft <sup>3</sup>	690 ft <sup>3</sup>
Fuel Capacity:	25.5 gallons	Fuel consumption: 14 mpg

**ASSOCIATED ITEMS**

M220E2 TOW-2 Missile System	Associated radio set
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**REFERENCES**

TM 2320-280-10 TM 2320-280-34P	TM 2320-280-20	TM 2320-280-20P	TM 2320-280-34
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**TRUCK, AMBULANCE, 4-LITTER, ARMORED, M997**

TAMCN: D1001

NSN: 2310-01-111-2274

ID NUMBER: 08991A



Figure 2-13. Truck, Ambulance, 4-Litter, Armored, 1-1/4 Ton, 4x4, HMMWV, M997

**DESCRIPTION AND FUNCTION**

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 can be 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 face pieces, which increases protection, eases breathing and reduces stress and heat fatigue during extended periods of NBC operation.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	7,168 lbs.	7,168 lbs.
Length:	202 in	202 in
Width:	85 in	85 in
Height:	100 in	100 in
Square:	120 ft <sup>2</sup>	120 ft <sup>2</sup>
Cube:	994 ft <sup>3</sup>	994 ft <sup>3</sup>

Fuel Capacity: 25 gallons

Fuel consumption: 14 mpg

**REFERENCES**

TM 2320-10/6B  
TM 2815-34P/4B

TM 2320 -24P/8A  
TM 2320-20/7B

TM 2320-34/9B  
TM 3080-34

TM 2815-34/3A

**TRUCK, AMBULANCE, 4 LITTER, ARMORED, M997A2**

TAMCN: D1001

NSN: 2310-01-380-8225

ID NUMBER: 08991C

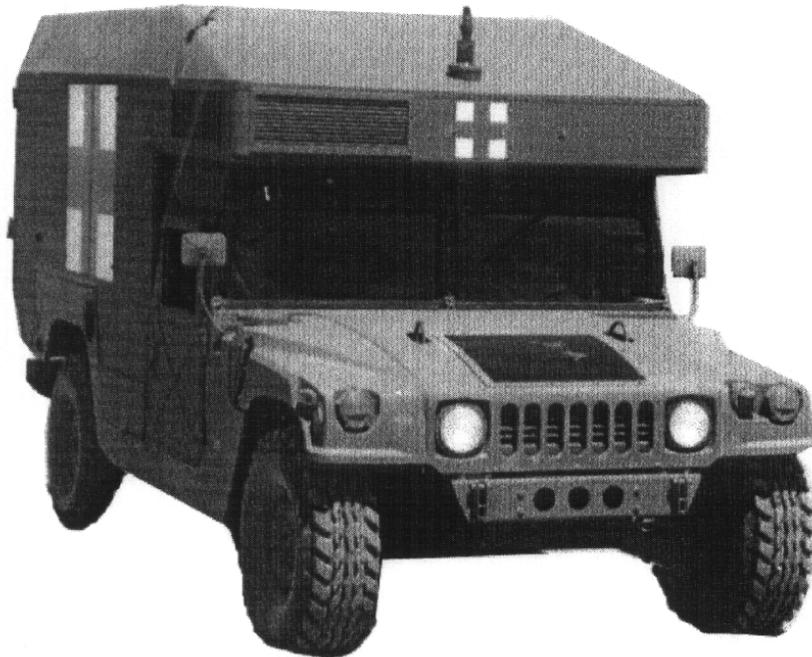


Figure 2-14. Truck, Ambulance; 4 Litter, Armored, 2-1/4 Ton, 4x4, M997A2

**DESCRIPTION AND FUNCTION**

The M997A2 will replace the M997 HMMWV variant. The M997A2 can carry four litter or eight ambulatory patients. These vehicles provide mobility for emergency situations and a quick link between battlefield casualties and emergency services not readily available on the front lines of battle.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	7,770 lbs.	7,770 lbs.
Length:	204.5 in	204.5 in
Width:	86 in	86 in
Height:	102 in	102 in
Square:	122 ft <sup>2</sup>	122 ft <sup>2</sup>
Cube:	1,038 ft <sup>3</sup>	1,038 ft <sup>3</sup>
Fuel Capacity: 25.5 gallons	Fuel consumption: 14 mpg	

**ASSOCIATED ITEMS**

Associated radio  
set

**REFERENCES**

TM 2320-280-10  
TM 2320-280-34P

TM 2320-280-20

TM 2320-280-20P

TM 2320-289-34

**TRUCK AMBULANCE, 2-LITTER, SOFT TOP, M1035**

TAMCN: D1002

NSN: 2310-01-146-7194

ID NUMBER: 08774A



Figure 2-15. Truck Ambulance, 2-Litter, Soft Top, 1-1/4 Ton, 4x4, HMMWV, M1035

**DESCRIPTION AND FUNCTION**

The M1035 is an ambulance variant of the M998 series of 1-1/4 ton trucks. It is a 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. It's chassis, mechanical components and general performance are the same as other models of the M998 series.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,361 lbs.	5,316 lbs.
Length:	180 in	180 in
Width:	85 in	85 in
Height:	69 in	55 in
Square:	107 ft <sup>2</sup>	106 ft <sup>2</sup>
Cube:	611 ft <sup>3</sup>	487 ft <sup>3</sup>
Fuel Capacity:	25 gallons	Fuel consumption: 14 mpg

**REFERENCES**

TM 2320-10/6B  
TM 2320-50/1  
TM 3080-34

TM 2320-10/6B  
TM 2815-34/3A  
TM 4750-15/2-4

TM 2320-24P/8A  
TM 2815-34P/4B

TM 2320-34/9B  
TM 2320-20/7B

**TRUCK AMBULANCE, 2-LITTER, SOFT TOP, M1035A2**

TAMCN: D1002

NSN: 22310-01-380-8292

ID NUMBER: 08774C

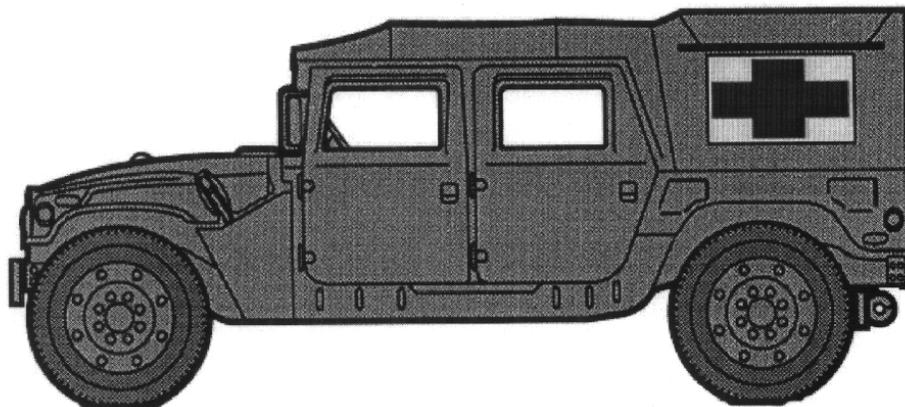


Figure 2-16. Truck Ambulance, 2-Litter, Soft Top, 2-1/4 Ton, 4x4, M1035A2

**DESCRIPTION AND FUNCTION**

The M1035A2 will replace the M1035 HMMWV variant. The M1035A2 can carry two litter or three ambulatory patients. These vehicles provide mobility for emergency situations and a quick link between battlefield casualties and emergency services not readily available on the front lines of battle.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	6,100 lbs.	6,100 lbs.
Length:	182.5 in	182.5 in
Width:	86 in	86 in
Height:	72 in	56 (+/- 2 in)
Square:	109 ft <sup>2</sup>	114 ft <sup>2</sup>
Cube:	654 ft <sup>3</sup>	527 ft <sup>3</sup>

Fuel Capacity: 25 gallons

Fuel consumption: 14 mpg

**REFERENCES**

TM 2320-280-10  
TM 2320-280-34P

TM 2320-280-20

TM 2320-280-20P

TM 2320-289-34

**TRUCK, UTILITY, SHELTER CARRIER, M1037**

TAMCN: D1180

NSN: 2320-01-146-7193

ID NUMBER: 08775A



Figure 2-17. Truck, Utility, Shelter Carrier, 1-1/4 Ton, 4x4, without Winch, HMMWV, M1037

**DESCRIPTION AND FUNCTION**

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 M1037's chassis, mechanical components and general performance are the same as other models of the M998 series.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,178 lbs.	5,178 lbs.
Length:	180 in	180 in
Width:	85 in	85 in
Height:	69 in*	55 in*
Square:	107 ft <sup>2</sup>	107 ft <sup>2</sup>
Cube:	611 ft <sup>3</sup>	487 ft <sup>3</sup>

Fuel Capacity: 25 gallons

Fuel consumption: 14 mpg

**TM 11240-15/4C**

\* Without S250 Shelter

**ASSOCIATED ITEMS**

Associated Shelters  
(Comm etc)

**REFERENCES**

TM 2320-10/6B  
TM 2815-34/3A  
TM 3080-34

TM 2320-24P/8A  
TM 2815-34P/4B  
TM 4750-15/2-4

TM 2320-34/9B  
TM 2320-20/7B

TM 2320-50/1  
TM 11240-15/4C

**TRUCK, UTILITY, SHELTER CARRIER, M1042**

TAMCN: D1180

NSN: 2320-01-146-7187

ID NUMBER: 08773A



Figure 2-18. Truck, Utility, Shelter Carrier, 1-1/4 Ton, 4x4, with Winch, HMMWV, M1042

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,258 lbs.	5,258 lbs.
Length:	185 in	185 in
Width:	85 in	85 in
Height:	69 in*	55 in*
Square:	110 ft <sup>2</sup>	110 ft <sup>2</sup>
Cube:	628 ft <sup>3</sup>	501 ft <sup>3</sup>
Fuel Capacity:	25 gallons	Fuel consumption: 14 mpg

\* Without S250 shelter

TM 11240-15/4C

**ASSOCIATED ITEMS**

Associated Shelter  
(Comm, etc)

**REFERENCES**

TM 2320-10/6B  
TM 2815-34/3A  
TM 4750-15/2-4

TM 2320-24P/8A  
TM 2815-34P/4B

TM 2320-34/9B  
TM 2320-20/7B

TM 2320-50/1  
TM 11240-15/4C

**TRUCK, UTILITY; HEAVY VARIANT, M1097A2**

TAMCN: D0187

NSN: 2320-01-380-8604

ID NUMBER: 09716C



Figure 2-19. Truck, Utility; Heavy Variant, 2-1/4 Ton, 4x4, M1097A2

**DESCRIPTION AND FUNCTION**

The M1097A2, Heavy HMMWV will replace the M1037, M1042, M1097 and M1097A1 heavy shelter variants. It is designed to carry heavy electronic systems or weapons platforms. This variant may be configured to act as a command post shelter from which battlefield traffic may be monitored and a communication center from which personnel may monitor incoming and outgoing radio and telecommunication traffic during operations.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,900 lbs.	5,900 lbs.
Length:	182.5 in	182.5 in
Width:	86 in	86 in
Height:	72 in	54 in
Square:	109 ft <sup>2</sup>	109 ft <sup>2</sup>
Cube:	654 ft <sup>3</sup>	491 ft <sup>3</sup>

Fuel Capacity: 25 gallons

Fuel consumption: 14 mpg

TM 11240-15/4C

**ASSOCIATED ITEMS**

Communication  
platforms

Weapons systems  
platforms

**REFERENCES**

TM 2320-280-10  
TM 2320-280-34P

TM 2320-280-20

TM 2320-280-20P

TM 2320-280-34

**TRUCK, MAINTENANCE, TELEPHONE/UTILITY, CONSTRUCTION, M876A1**

TAMCN: D1092

NSN: 2320-01-387-5781

ID NUMBER: 10110A



Figure 2-20. Truck, Maintenance, Telephone/Utility, Construction, 5 Ton, 6x6, M876A1

**DESCRIPTION AND FUNCTION**

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 on 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 common and unique 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 outriggers located at the rear of the vehicle. Towing capabilities are the same as M939A1 series trucks.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	23,365 lbs.	23,365 lbs.
Length:	332 in	332 in
Width:	97.4 in	97.4 in
Height:	156 in	156 in
Square:	225 ft <sup>2</sup>	225 ft <sup>2</sup>
Cube:	2,920 ft <sup>3</sup>	2,920 ft <sup>3</sup>
Fuel Capacity: 81 gallons	Fuel consumption: 4.3 mpg	

**REFERENCES**

TM 9-2320-272-20-1   TM 9-2320-272-20P   TM 9-2320-272-20-2   TM 9-2320-272-34P-1  
TM 9-2320-272-34-1   TM 9-2320-272-34-2   TM 9-2320-272-34P-2

**TRUCK, CARGO, DROPSIDE, M813A1**

TAMCN: D1059

NSN: 2320-00-050-8913

ID NUMBER: 08262A



Figure 2-21. Truck, Cargo, Dropside, 5 Ton, 6x6, without Winch, M813A1

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	20,455 lbs.	20,455 lbs.
Length:	303.7 in	303.7 in
Width:	97.5 in	97.5 in
Height:	116.8 in	85.1 in
Square:	206 ft <sup>2</sup>	206 ft <sup>2</sup>
Cube:	2,002 ft <sup>3</sup>	1459 ft <sup>3</sup>
Fuel Capacity:	78 gallons	Fuel consumption: 4.5 mpg

**REFERENCES**

TM 9-2320-260-10    TM 9-2320-260-20P    TM-9-2320-260-34-1    TM 9-2320-260-34-2  
TM 2320-260-34P-1    TM 9-2320-260-34P    TM 9-2320-260-20    TM 55-2320-260-15-1  
TM 55-2330-200-15-1

**TRUCK, CARGO, DROPSIDE, M813A1**

TAMCN: D1059

NSN: 2320-00-050-8905

ID NUMBER: 08263A

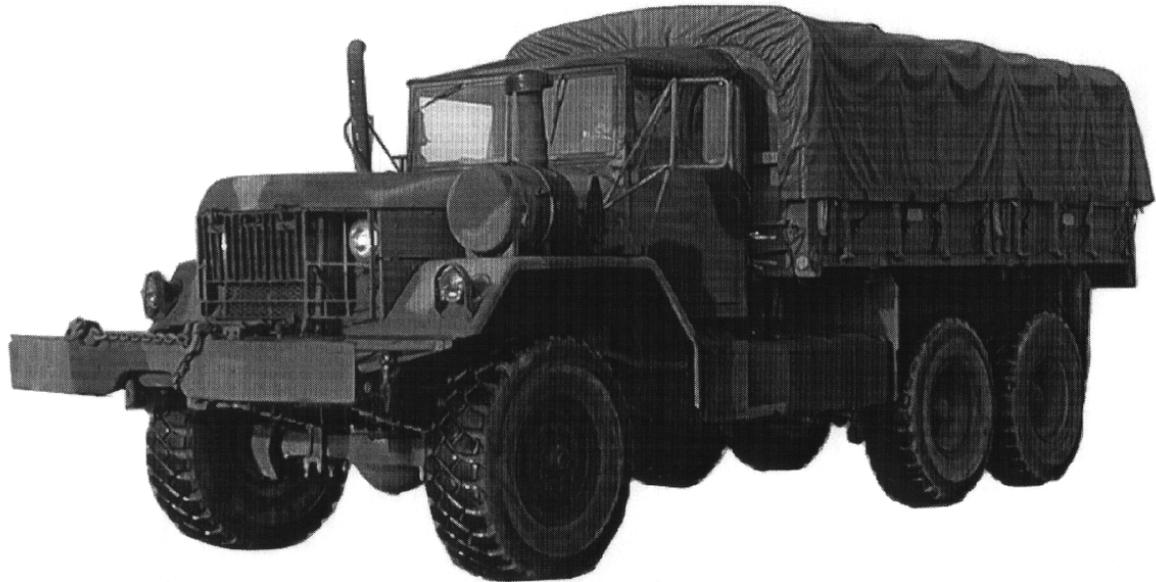


Figure 2-22. Truck, Cargo, Dropside, 5 Ton, 6x6, with Winch, M813A1

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	21,120 lbs.	21,120 lbs.
Length:	319.2 in	319.2 in
Width:	97.5 in	97.5 in
Height:	116.8 in	85.1 in
Square:	217 ft <sup>2</sup>	217 ft <sup>2</sup>
Cube:	2,050 ft <sup>3</sup>	1533 ft <sup>3</sup>

Fuel Capacity: 78 gallons

Fuel consumption: 4.5 mpg

**REFERENCES**

TM 9-2320-260-10    TM 9-2320-260-20P    TM-9-2320-260-34-1    TM 9-2320-260-34-2  
TM 2320-260-34P-1    TM 9-2320-260-34P    TM 9-2320-260-20    TM 55-2320-260-15-1  
TM 55-2330-200-15-1

**TRUCK, CARGO, DROPSIDE, M923A1**

TAMCN: D1059

NSN: 2320-01-230-0307

ID NUMBER: 08087A



Figure 2-23. Truck, Cargo, Dropside, 5 Ton, 6x6, without Winch, M923A1

**DESCRIPTION AND FUNCTION**

The M923A1 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 M923A1 is retrofitted with Super Single 1400R20 steel belted, non-directional radial tires.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	21,740 lbs.	21,740 lbs.
Length:	313.2 in	313.2 in
Width:	97 in	97 in
Height:	122.3 in	93.9 in
Square:	211 ft <sup>2</sup>	211 ft <sup>2</sup>
Cube:	2,150 ft <sup>3</sup>	1,651 ft <sup>3</sup>

**TM 11240-15/4C**

Fuel Capacity: 81 gallons

Fuel consumption: 4.3 mph

**REFERENCES**

TM 9-2320-272-10	TM 9-2320-272-20-1	TM-9-2320-272-20-2	TM 9-2320-272-20P
TM 2320-272-34-1	TM 9-2320-272-34-2	TM 9-2320-272-34P1	TM 9-2320-272-34P2
TM 9-2920-225-34	TM 9-2920-225-34P	TM 55-2333-200-15	TM 11240-15/4C
TM 08087A-50			

**TRUCK, CARGO, DROPSIDE, M925A1**

TAMCN: D1059

NSN: 2320-01-230-0308

ID NUMBER: 08088A

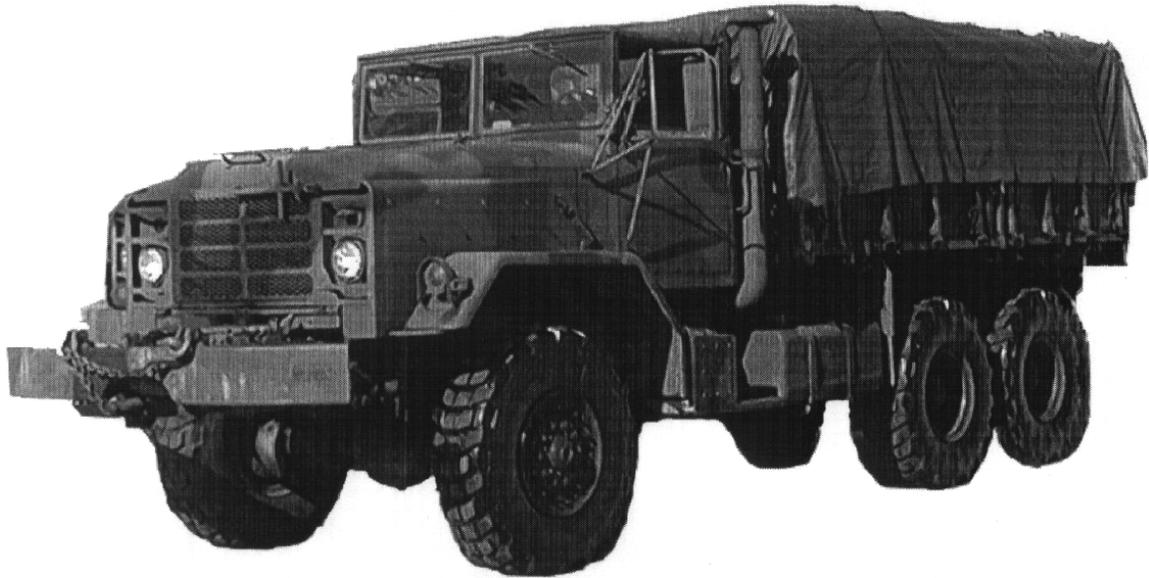


Figure 2-24. Truck, Cargo, Dropside, 5 Ton, 6x6, with Winch, M925A1

**DESCRIPTION AND FUNCTION**

The basic difference between the M925A1 and M923A1 is that the M925A1 has a 20,000 pound capacity winch located behind the front bumper and the M923A1 does not. The winch feature affects truck length, weight, shipping dimensions and angle of approach.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	22,700 lbs.	22,700 lbs.
Length:	332 in	332 in
Width:	97 in	97 in
Height:	122.3 in	93.9 in
Square:	224 ft <sup>2</sup>	225 ft <sup>2</sup>
Cube:	2,280 ft <sup>3</sup>	1,750 ft <sup>3</sup>

Fuel Capacity: 81 gallons

Fuel consumption: 4.3 mpg

**TM 11240-15/4C**

**REFERENCES**

TM 9-2320-272-10	TM 9-2320-272-20-1	TM-9-2320-272-20-2	TM 9-2320-272-20P
TM 2320-272-34-1	TM 9-2320-272-34-2	TM 9-2320-272-34P1	TM 9-2320-272-34P2
TM 9-2920-225-34	TM 9-2920-225-34P	TM 11240-25/23	TM 11240-15/4C
TM 08087A-50			

**TRUCK, CARGO, EXTRA LONG WHEEL BASE, M814**

TAMCN: D1061

NSN: 2320-00-050-8988

ID NUMBER: 08329A



Figure 2-25. Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, without Winch, M814

**DESCRIPTION AND FUNCTION**

The M814 truck is the extra long wheel base (XLWB) model of the M809 series of 5 ton trucks. It is utilized to transport equipment, material, personnel and HAWK missile system components. The M814 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 M814 has a spare wheel carrier that is mounted to the truck side rail at the rear of the cab. A towing pintle is fitted and attached to the rear of the chassis. The M814 is not suited for operations that require easy side access to the 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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	22,875 lbs.	22,875 lbs.
Length:	379.7 in	379.7 in
Width:	97.5 in	97.5 in
Height:	116.6 in	84.9 in
Square:	258 ft <sup>2</sup>	262 ft <sup>2</sup>
Cube:	2,499 ft <sup>3</sup>	1,819 ft <sup>3</sup>

**TM 11240-15/4C**

Fuel Capacity: 91 gallons

Fuel consumption: 4.3 mpg

**REFERENCES**

TM 9-2320-260-10	TM 9-2320-260-20	TM 4750-15/2-2	TM 9-2320-260-20P
TM 2320-260-34-1	TM 9-2320-260-34P1	TM 08087A-50	TM 9-2320-260-34P2
TM 9-2920-225-34	TM 9-2920-225-34P	TM 11240-25/23	TM 11240-15/4C
TM 55-2320-260-15-1			

**TRUCK, CARGO, EXTRA LONG WHEEL BASE, M927A1**

TAMCN: D1061

NSN: 2320-01-230-0309

ID NUMBER: 08226A



Figure 2-26. Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, without Winch, M927A1

**DESCRIPTION AND FUNCTION**

The M927A1 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 M927A1 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 M927A1 has a spare wheel carrier that is mounted to the truck side rail at the rear of the chassis. Two front and rear shackles provide a ready means for lifting the vehicle for transport. The M927A1 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 M927A1 is retrofitted with Super Single 1400R20 steel belted, non-directional radial tires.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	24,660 lbs.	24,660 lbs.
Length:	385.5 in	385.5 in
Width:	98 in	98 in
Height:	123.4 in	93.5 in
Square:	263 ft <sup>2</sup>	263 ft <sup>2</sup>
Cube:	2,698 ft <sup>3</sup>	2045 ft <sup>3</sup>

**TM 11240-15/4C**

Fuel Capacity: 81 gals.

Fuel consumption: 4.3 mpg

**ASSOCIATED ITEMS**

UAV systems

**REFERENCES**

TM 9-2320-272-10	TM 9-2320-272-20-1	TM-9-2320-272-20-2	TM 9-2320-272-20P
TM 2320-272-34-1	TM 9-2320-272-34-2	TM 9-2320-272-34P1	TM 9-2320-272-34P2
TM 4750-15/2-2	TM 11240-15/4C	TM 08087A-50	

**TRUCK, CARGO, EXTRA LONG WHEEL BASE, M928A1**

TAMCN: D1061

NSN: 2320-01-230-0310

ID NUMBER: 08214A



Figure 2-27. Truck, Cargo, 5 Ton, Extra Long Wheel Base, 6x6, with Winch, M928A1

**DESCRIPTION AND FUNCTION**

The basic difference between the M928A1 and M927A1 is that the M928A1 has a 20,000 pound capacity winch located behind the front bumper and the M927A1 does not. The winch feature affects truck length, weight, shipping dimensions and angle of approach.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	25,620 lbs.	25,620 lbs.
Length:	410.4 in	410.4 in
Width:	98 in	98 in
Height:	123.4 in	93.5 in
Square:	280 ft <sup>2</sup>	280 ft <sup>2</sup>
Cube:	2,873 ft <sup>3</sup>	2,177 ft <sup>3</sup>

Fuel Capacity: 81 gallons

Fuel consumption: 4.3 mpg

TM 11240-15/4C

**REFERENCES**

TM 9-2320-272-10    TM 9-2320-272-20-1    TM 9-2320-272-20-2    TM 9-2320-272-20P  
TM 2320-272-34-1    TM 9-2320-272-34-2    TM 9-2320-272-34P1    TM 9-2320-272-34P2  
TM 4750-15/2-2    TM 11240-15/4C    TM 08087A-50    TM 9-2920-25-34  
TM 9 2920-225-34P

**TRUCK, DUMP, 5 TON, M817**

TAMCN: D1072

NSN: 2320-00-050-8970

ID NUMBER: 00659C



Figure 2-28. Truck, Dump, 5 Ton, 6x6, without Winch, M817

**DESCRIPTION AND FUNCTION**

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 that 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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	23,090 lbs.	23,090 lbs.
Length:	273 in	273 in
Width:	97.5 in	97.5 in
Height:	112.1 in	112.1 in
Square:	185 ft <sup>2</sup>	185 ft <sup>2</sup>
Cube:	1,727 ft <sup>3</sup>	1,727 ft <sup>3</sup>

Fuel Capacity: 110 gallons

Fuel consumption: 4 mpg

TM 11240-15/4C

**REFERENCES**

TM 9-2320-260-10    TM 4750-15/2-2    TM 9-2320-260-20P    TM 2320-260-34-1  
TM 55-2330-200-15-1    TM 9-2320-260-34P1    TM 08262A-50    TM 9-2320-260-34P2  
TM 55-2320-260-15-1

**TRUCK, DUMP, 5 TON, M817**

TAMCN: D1072

NSN: 2320-00-051-0589

ID NUMBER: 00659D



Figure 2-29. Truck, Dump, 5 Ton, 6x6, with Winch, M817

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	23,755 lbs.	23,755 lbs.
Length:	288.5 in	288.5 in
Width:	97.5 in	97.5 in
Height:	112.1 in	112.1 in
Square:	196 ft <sup>2</sup>	196 ft <sup>2</sup>
Cube:	1,825 ft <sup>3</sup>	1,825 ft <sup>3</sup>

Fuel Capacity: 110 gallons

Fuel consumption: 4 mpg

**REFERENCES**

TM 9-2320-260-10

TM 4750-15/2-10

TM 08262A-50

TM 55-2330-200-15-1

TM 55-2320-260-15-1

**TRUCK, DUMP, 5 TON, M929A1**

TAMCN: D1072

NSN: 2320-01-230-0305

ID NUMBER: 08394A



Figure 2-30. Truck, Dump, 5 Ton, 6x6, without Winch, M929A1

**DESCRIPTION AND FUNCTION**

The M929A1 is the dump truck variant of the M939 series of 5 ton trucks. The M929A1 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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	24,000 lbs.	24,000 lbs.
Length:	274.8 in	274.8 in
Width:	97 in	97 in
Height:	124.4 in	124.4 in
Square:	186 ft <sup>2</sup>	186 ft <sup>2</sup>
Cube:	1,919 ft <sup>3</sup>	1,919 ft <sup>3</sup>

Fuel Capacity: 116 gallons

Fuel consumption: 4.2 mpg

**REFERENCES**

TM 9-2320-272-10	TM 9-2320-272-20-1	TM 4750-15/2-2	TM 9-2320-272-20-2
TM 2320-272-20	TM 9-2320-272-34-1	TM 2320-272-34-2	TM 9-2320-272-34P1
TM 9-2320-272-34P-2	TM 9-2920-225-34	TM 2920-225-34P	TM 11240-15/4C
TM 10-4320-343-14			

**TRUCK, DUMP, 5 TON, M930A1**

TAMCN: D1072

NSN: 2320-01-230-0306

ID NUMBER: 08689A



Figure 2-31. Truck, Dump, 5 Ton, 6x6, with Winch, M930A1

**DESCRIPTION AND FUNCTION**

The basic difference between the M930A1 and the M929A1 is that the M930A1 has a 20,000 pound capacity winch located behind the front bumper and the M929A1 does not. The winch feature affects truck length, weight, shipping dimensions and angle of approach.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	24,960 lbs.	24,960 lbs.
Length:	294.5 in	294.5 in
Width:	97 in	97 in
Height:	124.4 in	124.4 in
Square:	199 ft <sup>2</sup>	199 ft <sup>2</sup>
Cube:	2,057 ft <sup>3</sup>	2,057 ft <sup>3</sup>
Fuel Capacity: 116 gallons	Fuel consumption: 4.1 mpg	

**REFERENCES**

TM 9-2320-272-10    TM 9-2320-272-20-1    TM 4750-15/2-2    TM 9-2320-272-20-2  
TM 2320-272-20P    TM 9-2320-272-34-1    TM 2320-272-34-2    TM 9-2320-272-34P1  
TM 9-2320-272-34P-2    TM 9-2920-225-34    TM 2920-225-34P    TM 11240-15/4C  
TM 08087A-50

**TRUCK, TRACTOR, 5 TON, M818**

TAMCN: D1134

NSN: 2320-00-050-8984

ID NUMBER: 08325A

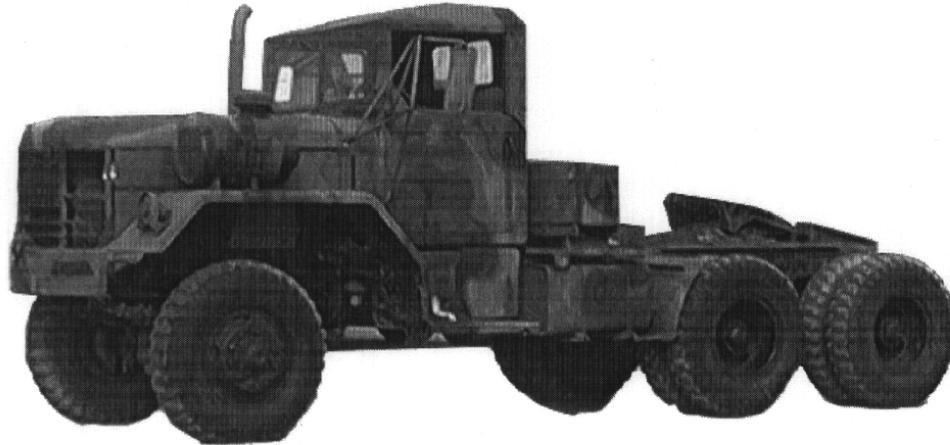


Figure 2-32. Truck, Tractor, 5 Ton, M818

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	20,290 lbs.	20,290 lbs.
Length:	266 in	266 in
Width:	98 in	98 in
Height:	116 in	86 in
Square:	182 ft <sup>2</sup>	182 ft <sup>2</sup>
Cube:	1,750 ft <sup>3</sup>	1,298 ft <sup>3</sup>

Fuel Capacity: 110 gallons

Fuel consumption: 4.4 mpg

**REFERENCES**

TM 9-2320-260-10	TM 9-2320-260-20	TM 9-2320-260-20P	TM 2320-260-34-1
TM 9-2320-260-34P1	TM 08262A-50	TM 9-2320-260-34P2	TM 9-2920-225-34
TM 9-2920-225-34P	TM 11240-15/4C	TM 55-2320-260-15-1	

**TRUCK, TRACTOR, 5 TON, M931A1**

TAMCN: D1134

NSN: 2320-01-230-0302

ID NUMBER: 08085A



Figure 2-33. Truck, Tractor, 5 Ton, 6x6, without Winch, M931A1

**DESCRIPTION AND FUNCTION**

The M931A1 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 M931A1 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, cross-country semitrailer operations are limited to easy grades over known terrain.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	19,895 lbs.	19,895 lbs.
Length:	264.5 in	264.5 in
Width:	97.4 in	97.4 in
Height:	121.2 in	94.1 in
Square:	179 ft <sup>2</sup>	179 ft <sup>2</sup>
Cube:	1,807 ft <sup>3</sup>	1,403 ft <sup>3</sup>

Fuel Capacity: 116 gallons

Fuel consumption: 4.3 mpg

**REFERENCES**

TM 9-2320-272-10	TM 9-2320-272-20-1	TM 4750-15/2-2	TM 9-2320-272-20-2
TM 2320-272-20P	TM 9-2320-272-34-1	TM 2320-272-34-2	TM 9-2320-272-34P1
TM 9-2320-272-34P-2	TM 9-2920-225-34	TM 2920-225-34P	TM 08087A-50

**TRUCK, WRECKER, MEDIUM, 5 TON, M816**

TAMCN: D1212

NSN: 2320-00-051-0489

ID NUMBER: 08324A



Figure 2-34. Truck, Wrecker, Medium, 5 Ton, 6x6, with Winch, M816

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	36,129 lbs.	36,129 lbs.
Length:	356.2 in	356.2 in
Width:	97.5 in	97.5 in
Height:	111.8 in	108.2 in
Square:	242 ft <sup>2</sup>	242 ft <sup>2</sup>
Cube:	2,247 ft <sup>3</sup>	2,175 ft <sup>3</sup>
Fuel Capacity: 133 gallons	Fuel consumption: 4.3 mpg	

**REFERENCES**

TM 9-2320-260-10	TM 9-2320-260-20	TM 9-2320-260-34-2	TM 9-2320-260-20P
TM 2320-260-34-1	TM 9-2320-260-34P1	TM 08262A-50	TM 9-2320-260-34P2
TM 9-2920-225-34	TM 9-2920-225-34P	TM 4750-15/2-4	TM 11240-15/4C
TM 55-2320-260-15-1			

**TRUCK, WRECKER, MEDIUM, 5 TON, M936A1**

TAMCN: D1212

NSN: 2320-01-230-0304

ID NUMBER: 08086A



Figure 2-35. Truck, Wrecker, Medium, 5 Ton, 6x6, with Winch, M936A1

**DESCRIPTION AND FUNCTION**

The M936A1 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, 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 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 M936A1 is retrofitted with Super Single 1400R20 steel belted, non-directional radial tires.

Manufacturer: AM General

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	36,910 lbs.	36,910 lbs.
Length:	362 in	362 in
Width:	97.4 in	97.4 in
Height:	120 in	108.5 in
Square:	245 ft <sup>2</sup>	245 ft <sup>2</sup>
Cube:	2,449 ft <sup>3</sup>	2,214 ft <sup>3</sup>

Fuel Capacity: 139 gallons

Fuel consumption: 3.5 mpg

**REFERENCES**

TM 9-2320-272-10	TM 9-2320-272-20-1	TM 4750-15/2-2	TM 9-2320-272-20-2
TM 2320-272-20P	TM 9-2320-272-34-1	TM 2320-272-34-2	TM 9-2320-272-34P1
TM 9-2320-272-34P-2	TM 9-2920-225-34	TM 2920-225-34P	TM 11240-15/4C
TM 08087A-50	TM 4750-15/2-10		

**MEDIUM TACTICAL VEHICLE REPLACEMENT  
(MTVR), MK23/MK25**

TAMCN: D0198

NSN: 2320-01-465-2174  
2320-01-465-2176

ID NUMBER: 10629A  
10629B



Figure 2-36. Medium Tactical Vehicle Replacement (MTVR) MK23/MK25

**DESCRIPTION AND FUNCTION**

The MK23/MK25 Cargo variant of the MTVR family will replace the M813A1, M923A1, M923A2, M925, M925A1, M813 with ISO Bed and the M923 with ISO Bed. These trucks use state of the art commercial technology including an independent suspension system, electronically controlled engine and transmission and a central tire inflation system, which increases the off-road maneuverability and mobility of the vehicle. The difference between the MK23 and MK25 is that the MK25 has a 20,000 pound capacity self-recovery winch. The MK23/MK25 is a 7-ton, 6x6 designed for use on all types of roads, highways and cross-country terrain. It is capable of traversing a 60 percent gradient, a 30 percent side slope up to 15 mph and a 40 percent side slope at 5 mph. It is capable of fording 60 inches of water and has an on-road cruising range of 300 miles. The MK23/MK25 variants are capable of being transported by highway, rail, sea and air. Fielding of the MK23/MK25 started in FY01.

Manufacturer: OSHKOSH Truck Corporation

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	27,000 lbs.	27,000 lbs.
Length:	315 in	315 in
Width:	98 in	98 in
Height:	142 in	100 in
Square:	215 ft <sup>2</sup>	215 ft <sup>2</sup>
Cube:	2,537 ft <sup>3</sup>	1,786 ft <sup>3</sup>
Fuel Capacity: 78 gallons	Fuel consumption: 4.5 mpg	

**REFERENCES**

TM 10629A-10      TM 10629A-14&P      TM 10629A-20      TM 10629A-34

**MEDIUM TACTICAL VEHICLE REPLACEMENT  
(MTVR) EXTENDED BED (XL), MK27/MK28**

TAMCN: D1062

NSN: 2320-01-465-2180  
2320-01-465-2182

ID NUMBER: 10631A  
10631B

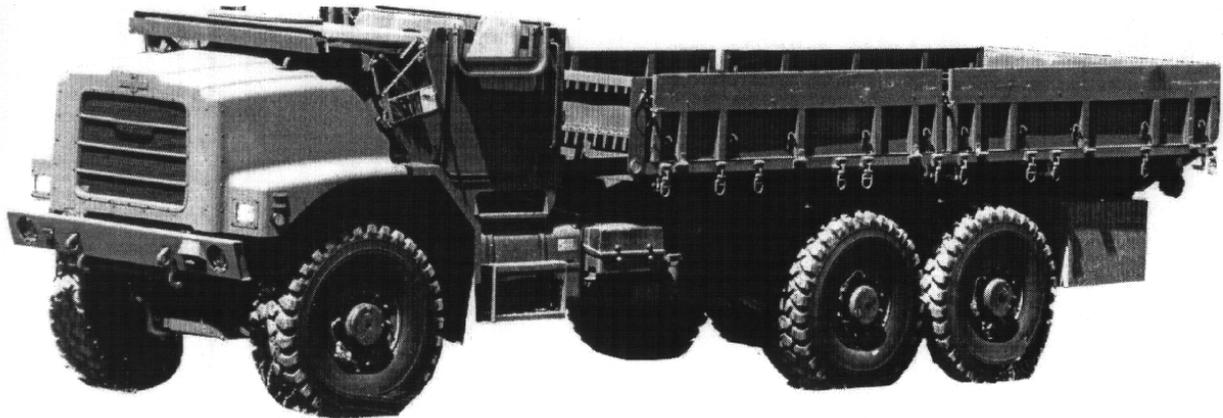


Figure 2-37. Medium Tactical Vehicle Replacement (MTVR) Extended Bed (XL), MK27/MK28

**DESCRIPTION AND FUNCTION**

The MK27/MK28 Extra Long Wheel Base Cargo variant of the MTVR family will replace the M814, M927, M927A1, M928 and the M928A1. These trucks use state of the art commercial technology including an independent suspension system, electronically controlled engine and transmission and a central tire inflation system, which increases the off-road maneuverability and mobility of the vehicle. The difference between the MK27 and MK28 is that the MK28 has a 20,000 pound capacity self-recovery winch. The MK27/MK28 is a 7 ton, 6x6 designed for use on all types of roads, highways and cross-country terrain. It is capable of traversing a 60 percent gradient, a 30 percent side slope up to 15 mph and a 40 percent side slope at 5 mph. It is capable of fording 60 inches of water and has an on-road cruising range of 300 miles. The MK27/MK28 variants are capable of being transported by highway, rail, sea and air.

Manufacturer: OSHKOSH Truck Corporation

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	30, 178 lbs.	30, 768 lbs.
Length:	387 in	387 in
Width:	98 in	98 in
Height:	141 in	100 in
Square:	264 ft <sup>2</sup>	264 ft <sup>2</sup>
Cube:	3,095 ft <sup>3</sup>	2,195 ft <sup>3</sup>

Fuel Capacity: 78 gallons

Fuel consumption: 4.5 mpg

**REFERENCES**

TM 10629A-10

TM 10629A-14&P

TM 10629A-20

TM 10629A-34

**MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR),  
DUMP TRUCK, MK29/MK30**

TAMCN: D1073

NSN: 2320-01-465-2186  
2320-01-465-2189

ID NUMBER: 10632A  
10632B



Figure 2-38. Medium Tactical Vehicle Replacement (MTVR), Dump Truck, MK29/MK30

**DESCRIPTION AND FUNCTION**

The MK29/MK30 7 ton Dump variant of the MTVR family will replace the M817, M929, M929A1 and the M930. These trucks use state of the art commercial technology including an independent suspension system, electronically controlled engine and transmission and a central tire inflation system, which increases the off-road maneuverability and mobility of the vehicle. The MK29/MK30 is equipped with a steel welded dump body, which extends up and over the vehicle cab to prevent damage during loading. The difference between the MK29 and MK30 is that the MK25 has a 20,000 pound capacity self-recovery winch. The MK29/MK30 is a 7 ton, 6x6 designed for use on all types of roads, highways and cross-country terrain. It is capable of traversing a 60 percent gradient, a 30 percent side slope up to 15 mph and a 40 percent side slope at 5 mph, fording 60 inches of water and has an on-road cruising range of 300 miles. The MK29/MK30 variants are capable of being transported by highway, rail, sea and air.

Manufacturer: OSHKOSH Truck Corporation

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:		
Length:	315 in	315 in
Width:	98 in	98 in
Height:	150 in	100 in
Square:	215 ft <sup>2</sup>	215 ft <sup>2</sup>
Cube:	2,680 ft <sup>3</sup>	1,787 ft <sup>3</sup>

Fuel Capacity: 78 gallons

Fuel consumption: 4.5 mpg

**REFERENCES**

TM 10629A-10

TM 10629A-14&P

TM 10629A-20

TM 10629A-34

**MEDIUM TACTICAL VEHICLE REPLACEMENT  
(MTVR) WRECKER, MK36**

TAMCN: D1213

NSN: 2320-01-465-2260

ID NUMBER: 10633A



Figure 2-39. Medium Tactical Vehicle Replacement (MTVR) Wrecker, MK36

**DESCRIPTION AND FUNCTION**

The MK36 7 ton Wrecker variant replaces the M816, M936 and the M936A1. This truck uses state of the art commercial technology including an independent suspension system, electronically controlled engine and transmission and a central tire inflation system, which increases the off-road maneuverability and mobility of the vehicle. The 7 ton wrecker variant is compatible with all tactical vehicles in its weight class as well as the vehicles in the light tactical fleet. The MK36 is able to lift and tow or flat tow 7 ton size vehicles and smaller (HMMWV, light strike vehicle, etc) with trailers without damage to either the towed or towing vehicle.

Manufacturer: OSHKOSH Truck Corporation

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:		
Length:	390 in	390 in
Width:	98 in	98 in
Height:	142 in	106 in
Square:	266 ft <sup>2</sup>	266 ft <sup>2</sup>
Cube:	3,141 ft <sup>3</sup>	2,345 ft <sup>3</sup>

Fuel Capacity: 78 gallons

Fuel consumption: 4.5 mpg

**REFERENCES**

TM 10629A-10

TM 10629A-14&P

TM 10629A-20

TM 10629A-34

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

TAMCN: D1064

NSN: 4210-01-137-9943

ID NUMBER: 08674A



Figure 2-40. Truck, Fire Fighting, Aircraft Crash and Structure Fire, A/S32P-19A

**DESCRIPTION AND FUNCTION**

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 hand line. These can be used alone or at the same time. The Halon system uses its own hand line. The truck is fully enclosed, insulated and winterized.

Manufacturer: OSHKOSH Truck Company; rebuilt by  
Crash Rescue Equipment Services, Inc.

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	33,600 lbs.	24,260 lbs.
Length:	325 in	325 in
Width:	96 in	96 in
Height:	120 in	102 in
Square:	217 ft <sup>2</sup>	217 ft <sup>2</sup>
Cube:	2,167 ft <sup>3</sup>	1,842 ft <sup>3</sup>

Fuel Capacity: 42 gallons

Fuel consumption: 15 gal/hr

**REFERENCES**

TM 08674A-10/1

TM 08674A-20/2

TM 08674A-24/3

**AVIATION REFUELER CAPABILITY**

TAMCN: D0210

NSN: 2320-01-484-9052

ID NUMBER: 10780A



Figure 2-41. Aircraft Refueler Capability

**DESCRIPTION AND FUNCTION**

The Aircraft Refueler Capability (ARC) will replace the current M970 5,000 refueler and will provides a mobile aviation refueling capability to the Marine Aircraft Wing supporting establishment. The ARC is a 5,000-gallon commercial aviation refueler modified to incorporate USMC unique requirements. It is self-propelled, blackout capable and is fully transportable by C-141 or larger aircraft, as well as MPF and commercial shipping. This system will provide under and overwing aviation refueling; defueling and line haul (internal to MAW) to the MAW, at both garrison air stations/fields and at deployed expeditionary airfields. The ARC will only be fielded to the MAWs and MPS.

Manufacturer: Isometrics, Inc. Reidsville, NC

Action Officer: GTES PM,  
Ground Transportation

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	22,000 lbs. empty	22,000 lbs. GVW
Length:	419 inches	419 inches
Width:	96 inches	96 inches
Height:	101 inches	101 inches
Square:	280 ft <sup>2</sup>	280 ft <sup>2</sup>
Cube:	2,352 ft <sup>3</sup>	2,352 ft <sup>3</sup>
Fuel Capacity:	50 gallons	Fuel consumption: 6 gal/hr

**ASSOCIATED ITEMS**

**REFERENCES**

TM 10780-10  
TM 10780A-23&P

## CHAPTER 3

### LOGISTICAL VEHICLE SYSTEM

**3-1. INTRODUCTION.** The vehicles discussed in this chapter are designed for logistical services ranging from a container hauler to a recovery vehicle. All the Rear Body Units (RBU) are designed to be used in conjunction with the MK48/MK48A1 Front Power Unit. All the RBUs are connected to the Front Power Unit through an articulation joint.

**LOGISTICS VEHICLE SYSTEM (LVS), FRONT POWER UNIT,  
MK48/MK48A1, MOD 0**

TAMCN: D0209

NSN: 2320-01-177-5167  
2320-01-417-3180

ID NUMBER: 08780A  
08780B



Figure 3-1. Logistics Vehicle System (LVS), Front Power Unit, 12-1/2 Ton, 4x4, MK48/MK48A1, MOD 0

**DESCRIPTION AND FUNCTION**

The MK48/MK48A1 and their associated rear body units (RBU) 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/MK48A1 is an all-metal, fully enclosed, 4x4 tactical front power unit with a crew of two. The MK48/48A1's low profile, cab-forward configuration permits loading aboard military aircraft with no preparation when coupled to any of the driven RBU. The MK48/MK48A1 attaches to the RBUs through an articulation joint to form an integral articulated 8x8 vehicle with cross-country mobility.

Manufacturer: OSHKOSH Truck Corporation

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	25,300 lbs.	25,300 lbs.
Length:	238.5 in	238.5 in
Width:	96 in	96 in
Height:	102 in	102 in
Square:	159 ft <sup>2</sup>	159 ft <sup>2</sup>
Cube:	1,352 ft <sup>3</sup>	1,352 ft <sup>3</sup>

Fuel Capacity: 150 gallons

Fuel consumption: 3 mpg

**ASSOCIATED ITEMS**

MK14/14A1  
Container Hauler

MK15/15A1  
Wrecker-Recovery

MK16/16A1 Semi  
Trailer Adapter

MK17/17A1  
Dropside Cargo  
w/Crane

MK18/18A1 Ribbon  
Bridge Transporter

**REFERENCES**

TM-2320-10/11A  
TM 2320-24P/14B  
TM 2320-34/13

TM-2320-10/11  
TM 2320-24P/14

TM 2320-20-12AV1  
TM 2320-34/13AV1

TM 2320-20/12 V2  
TM 2320-34/13AV2

**LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU),  
MK14/14A1 MOD 0**

TAMCN: D0876

NSN: 2320-01-176-0469

ID NUMBER: 08781A

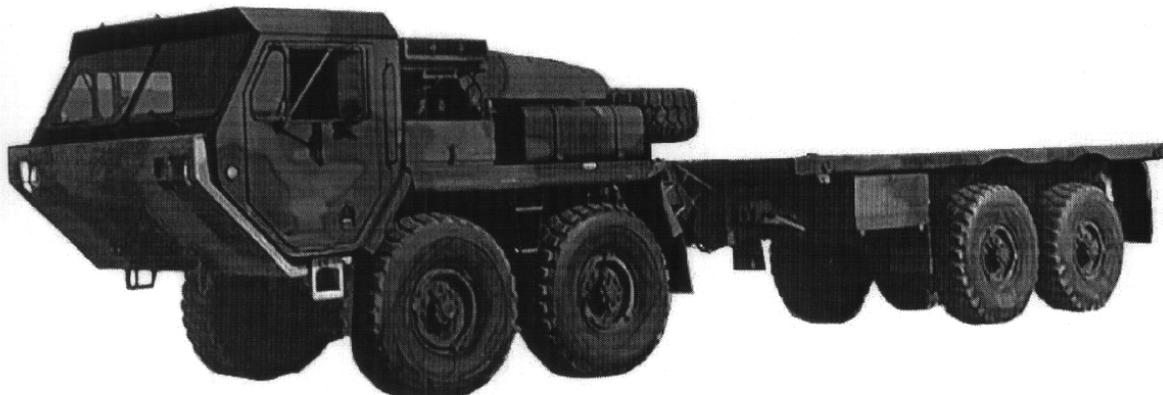


Figure 3-2. Logistics Vehicle System (LVS) Rear Body Unit (RBU), 22-1/2 Ton, Container Hauler, 4x4, MK14/14A1 MOD 0

**DESCRIPTION AND FUNCTION**

The MK14/14A1 combines with the MK48/48A1 Power Unit (D0209) to form the container hauler variant of the Logistics Vehicle System (LVS). The MK14/14A1 is a tandem axle, all metal, rear body unit that couples to the MK48/48A1 by an articulation joint to form an integrated, articulated, wheeled vehicle. The MK14's primary mission is to transport International Organization of Standards/American National Standards Institute (ISO/ANSI) containers, standardized cargo, shelters and functional modules from the beach to unit supply points. It is capable of accommodation up to six empty or four full fuel (B2085) or water (B2086) modules and one pump unit from the SIXCON system. The RBU is equipped with a towing pintle for towing trailers, howitzers and an additional MK14/MK14A1 RBU equipped with a tandem tow lunette extension kit.

Manufacturer: Oshkosh Truck Company

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	16,000 lbs.	16,000 lbs.
Length:	238.5 in	238.5 in
Width:	96 in	96 in
Height:	64 in	64 in
Square:	159 ft <sup>2</sup>	159 ft <sup>2</sup>
Cube:	848 ft <sup>3</sup>	848 ft <sup>3</sup>

**ASSOCIATED ITEMS**

MK48/M48A1

**REFERENCES**

TM-2320-10/11A	TM-2320-10/11	TM 2320-20-2AV1	TM 2320-20/12
TM 2320-20-12V2	TM 2320-24P/14B	TM 2320-24P/14	TM 2320-34/13AV1
TM 2320-34/13AV2	TM 2320-34/13		

**LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU),  
WRECKER/RECOVERY, MK15/15A1 MOD 0**

TAMCN: D0877

NSN: 2320-01-176-6928

ID NUMBER: 08782A



Figure 3-3. Logistics Vehicle System (LVS) Rear Body Unit (RBU),  
Wrecker/Recovery, 4x4, MK15/15A1 MOD 0

**DESCRIPTION AND FUNCTION**

The MK15/15A1 Rear Body Unit (RBU) combines with the MK48/48A1 Front 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 MK15/15A1 is primarily used for recovery of all LVS vehicles and is capable of lifting and towing the M809, M939, HMMVA2 series of vehicles and the MTVR family of vehicles. Lifting of a vehicle is accomplished by utilizing an A-Frame attached to the rear of the MK15/15A1 and the associated tow bar. The MK15/15A1 is equipped with a Material Handling Crane (MHC) used for removing power packs and loading equipment and standardized containers. The MK15 is equipped with a knuckle boom crane and the MK15A1 is equipped with a folding telescoping boom crane. An auxiliary hydraulic circuit in the vehicle provides power for hydraulic tools and can also be used to supply another RBU (MK15, MK16, MK17, MK18 or their A1 counterparts) with hydraulics. The MK15/15A1 has an electrically operated hydraulic remote control unit that allows operation of the crane and winch from a distance.

Manufacturer: Oshkosh Truck Company

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	26,000 lbs.	26,000 lbs.
Length:	240 in	240 in
Width:	96 in	96 in
Height:	140 in	96 in
Square:	160 ft <sup>2</sup>	160 ft <sup>2</sup>
Cube:	1,867 ft <sup>3</sup>	1,280 ft <sup>3</sup>

**ASSOCIATED ITEMS**

MK48/M48A1

**REFERENCES**

TM 2320-10/11A	TM 2320-10/11	TM 2320-20-2AV1	TM 2320-20/12
TM 2320-20-12V2	TM 2320-24P/14B	TM 2320-24P/14	TM 2320-34/13AV1
TM 2320-34/13AV2	TM 2320-34/13		

**LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU),  
FIFTH WHEEL, MK16/MK16A1 MOD 0**

TAMCN: D0878

NSN: 2320-01-176-0467

ID NUMBER: 09783A

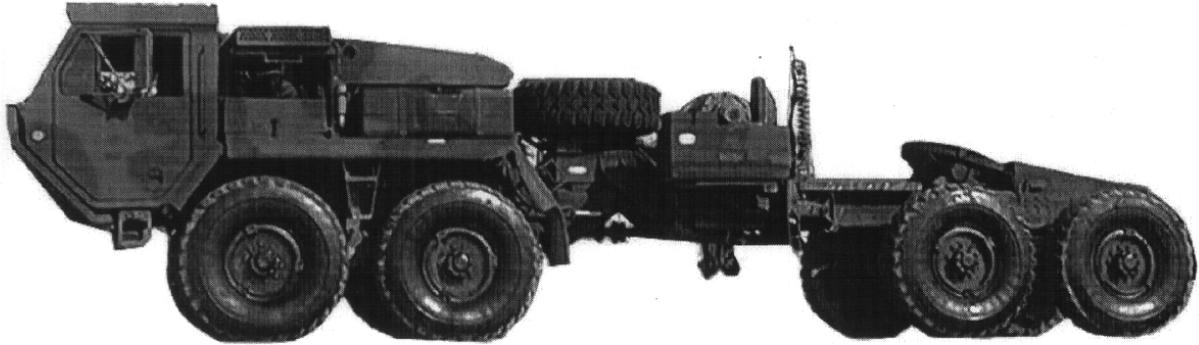


Figure 3-4. Logistics Vehicle System (LVS) Rear Body Unit (RBU), Fifth Wheel, Semitrailer Adapter, 4x4, MK16/MK16A1 MOD 0

**DESCRIPTION AND FUNCTION**

The MK16/16A1 combines with the MK48/48A1 Power unit (D0209) to form the fifth wheel semitrailer variant of the Logistics Vehicle System (LVS). The MK16/16A1 is used to transport semitrailers equipped with a 3.5 inch diameter kingpin. The primary mission of the MK16/16A1 is to transport the M870 family of semitrailers; it can also transport any commercial semitrailer that is compatible with the kingpin diameter and fifth wheel height. The MK16/16A1 can also transport towed type full trailers and semitrailers through the use of a towing pintle. A rear winch mounted in front of the fifth wheel is capable of pulling a combat loaded M1 series tank onto a semitrailer without using the tank's own power. The winch may also be used for recovery of other vehicles; the oscillating fifth wheel can be adjusted for highway and cross-country use. The MK16/16A1's cross-country mobility is limited by the mobility of the trailer and equipment it tows.

Manufacturer: Oshkosh Truck Company

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	16,000 lbs.	16,000 lbs.
Length:	198 in	198 in
Width:	96 in	96 in
Height:	87 in	87 in
Square:	132 ft <sup>2</sup>	132 ft <sup>2</sup>
Cube:	957 ft <sup>3</sup>	957 ft <sup>3</sup>

**ASSOCIATED ITEMS**

MK48/MK48A1

**REFERENCES**

TM 2320-24P/14B    TM 2320-24P/14    TM 2320-34/13A    TM 11240-15/4C

**LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU), CARGO, WITH MATERIAL HANDLING CRANE, MK17/17A1 MOD 0**

TAMCN: D0879

NSN: 2320-01-176-0468  
2320-01-417-5296

ID NUMBER: 08484A



Figure 3-5. Logistics Vehicle System (LVS) Rear Body Unit (RBU), 20 Ton, Dropside, Cargo, with Material Handling Crane, 4X4, MK17/17A1 MOD 0

**DESCRIPTION AND FUNCTION**

The MK17/17A1 combines with the MK48/48A1 Power Unit (D0209) to form the cargo carrying variant of the Logistics Vehicle System (LVS). The MK17/17A1 is utilized to transport palletized 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 MK17 is equipped with a knuckle boom crane and the MK17A1 is equipped with a folding telescoping boom crane. The MK17/17A1 is also capable of towing and positioning any of the towed howitzers within the USMC inventory.

Manufacturer: Oshkosh Truck Corporation

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	22,650 lbs.	22,650 lbs.
Length:	240 in	240 in
Width:	96 in	96 in
Height:	96 in	96 in
Square:	160 ft <sup>2</sup>	160 ft <sup>2</sup>
Cube:	1,280 ft <sup>3</sup>	1,280 ft <sup>3</sup>

**ASSOCIATED ITEMS**

MK48/MK48A1

**REFERENCES**

TM 2320-10/11A	TM 2320-20-12AV1	TM 2320-20/12	TM 2320-20-12AV2
TM 2320-24P/14B	TM 2320-24P/14	TM 2320-34/13AV1	TM 2320-34/13AV2
TM 2320-34/13			

**LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU),  
RIBBON BRIDGE/CONTAINER HAULER, MK18 MOD 0**

TAMCN: D0881

NSN: 2320-01-324-5915

ID NUMBER: 09470B



Figure 3-6. Logistics Vehicle System (LVS) Rear Body Unit (RBU),  
Ribbon Bridge/Container Hauler, 4x4, MK18, MOD 0

**DESCRIPTION AND FUNCTION**

The MK18 combines with the MK48/48A1 Power Unit (D0209) to form the ribbon bridge/container transporter variant of the Logistics Vehicle System (LVS). The MK18 consists of a modified MK14 (container hauler) RBU with the flat bed body removed and a lifting gear assembly and a winch assembly mounted on the replacement split / pivotal bed. The MK18 is capable of self loading and unloading the Ribbon Bridge Set (B0155), Flatrack and ISO / ANSI cargo containers though the use of hydraulic cylinders, pulleys, chains and winches. Prior preparation of the RBU is not required for loading and unloading of ISO / ANSI containers. Reconfiguration of the MK18 for loading and unloading the Bridge Set requires approximately 25 to 30 minutes to change rollers and brackets. The MK18 can be operated by remote control from a distance either in the container or bridge mode.

Manufacturer: T.G. Boughton

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	21,800 lbs.	21,800 lbs.
Length:	304.5 in	304.5 in
Width:	96 in	96 in
Height:	74.76 in	74.76 in
Square:	203 ft <sup>2</sup>	203 ft <sup>2</sup>
Cube:	1,265 ft <sup>3</sup>	1,265 ft <sup>3</sup>

**ASSOCIATED ITEMS**

MK48/MK48A1

**REFERENCES**

TM 2320-24P/14B    TM 2320-24P/14    TM 2320-34/13AV1    TM 11240-15/4C

**LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU),  
RIBBON BRIDGE/CONTAINER HAULER, MK18A1 MOD 0**

TAMCN: D0881

NSN: 2320-01-393-0293

ID NUMBER: 09470B



Figure 3-7. Logistics Vehicle System (LVS) Rear Body Unit (RBU),  
Ribbon Bridge/Container Hauler, 4x4, MK18A1 MOD 0

**DESCRIPTION AND FUNCTION**

The MK18A1 combines with the MK48/48A1 Power unit (D0209) to form the ribbon bridge/container transporter variant of the Logistics Vehicle System (LVS). The MK18A1 consists of a modified MK14 (container hauler) RBU with the flat bed body replaced by a hook arm container/flatrack lifting gear assembly and a winch assembly. The MK18A1 is capable of self loading and unloading the Ribbon Bridge Set (B0155), Flatrack and ISO / ANSI cargo containers through the use of hydraulic cylinders, rollers and winches. Prior preparation of the RBU is not required for loading and unloading of ISO / ANSI containers. Reconfiguration of the MK18A1 for loading and unloading the Bridge Set requires approximately 25 to 30 minutes to change rollers and brackets. The MK18A1 can be operated by remote control from a distance either in the container or bridge mode.

Manufacturer: Oshkosh Truck Corporation

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	19,700 lbs.	19,700 lbs.
Length:	240 in	240 in
Width:	101.3 in	96 in
Height:	148 in	102 in
Square:	169 ft <sup>2</sup>	160 ft <sup>2</sup>
Cube:	2,083 ft <sup>3</sup>	1,360 ft <sup>3</sup>

**ASSOCIATED ITEMS**

MK48/MK48A1

**REFERENCES**

TM 09470B-10/1

TM 09470B-20/2

TM 09470-34/3

TM 09470B-24P/4

**PALLETIZED LOAD SYSTEM (PLS) FLATRACK, M1077/1077A1**

TAMCN: D0195

NSN: 3990-01-406-1340

ID NUMBER: 10562A

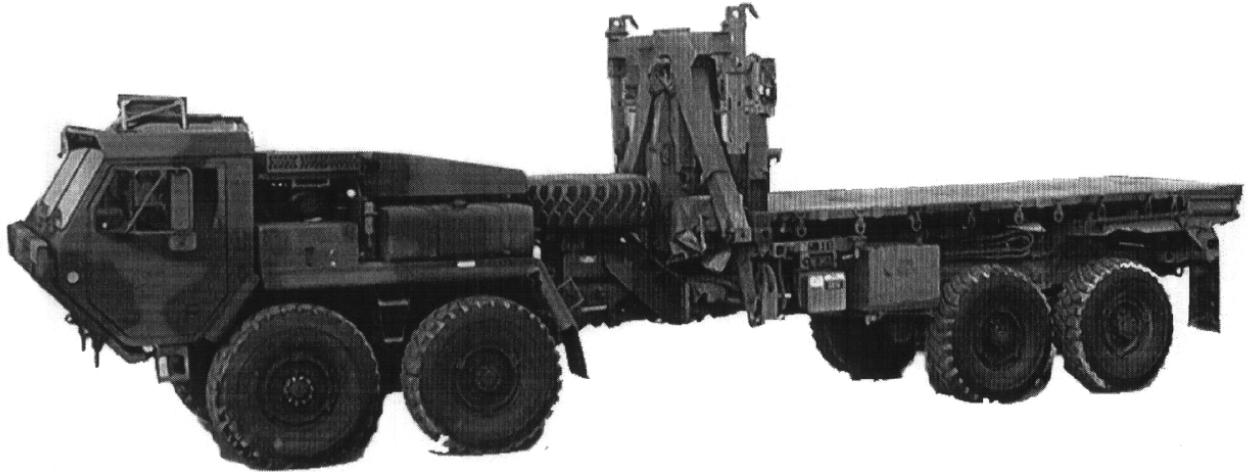


Figure 3-8. Palletized Load System (PLS) Flatrack, Model M1077/1077A1

**DESCRIPTION AND FUNCTION**

The Palletized Load System (PLS) Flatrack Model M1077/1077A1 is a 20 foot long by 8 foot wide welded steel flat cargo body with a front wall equipped with a lifting point. The flatrack was procured for use with the Army PLS and is compatible with the LVS MK18A1 RBU. The flatrack is equipped with ISO locks, sideboard kits and tie down fasteners to facilitate the movement of break-bulk materials and ISO containers. A fully loaded Flatrack can be self-loaded and self-offload by an LVS MK18A1 without the aid of additional material handling equipment and by an LVS MK18 equipped with container lifting and loading chains. There are no hydraulic, air or electrical connections or equipment on an MK1077/1077A1 flatrack.

Manufacturer: Steel Tech

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode		Shipping Mode	
Weight:	MK1077:	3,200 lbs.	MK1077:	3,200 lbs.
	MK1077A1	3,900 lbs.	MK1077A1	3,900 lbs.
Length:	248.5 in		248.5 in	
Width:	95.99 in		95.99 in	
Height:	62.48 in		62.48 in	
Square:	166 ft <sup>2</sup>		166 ft <sup>2</sup>	
Cube:	863 ft <sup>3</sup>		863 ft <sup>3</sup>	

**ASSOCIATED ITEMS**

MK48/MK48A1  
w/MK18/18A1

**REFERENCES**

TM 09470B-10/1	TM 09470B-20/2	TM 09470B-34/3	TM 09470B-24P/4
TM 9-3990-206-14&P	TM 9-3990-206-10	TM 9-3990-206-20	TM 9-3990-206-34

## CHAPTER 4

### TRAILERS AND DOLLIES

**4-1. 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.

**TRAILER, GENERAL PURPOSE, M353**

TAMCN: D0080

NSN: 2330-00-542-2831

ID NUMBER: 05945A

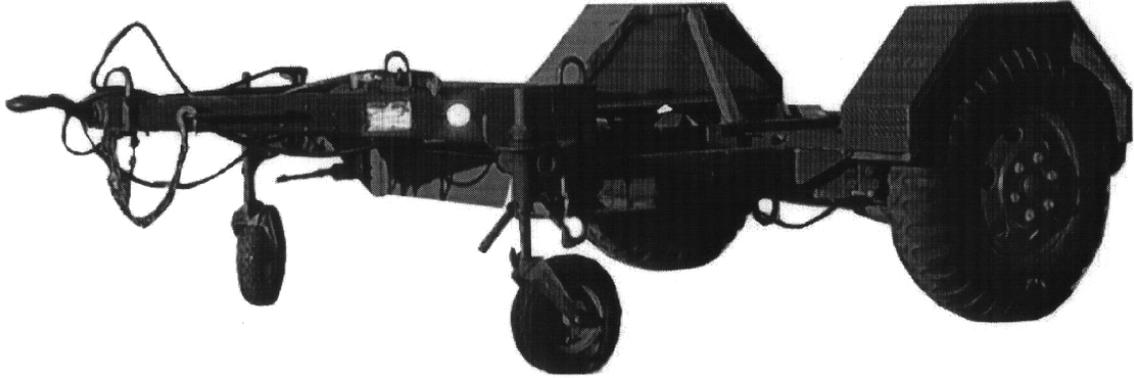


Figure 4-1. Chassis, Trailer, General Purpose, 3-1/2 Ton, 2 Wheel, M353

**DESCRIPTION AND FUNCTION**

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 or welders. The M353 has a raised A-frame bolted in 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.

Manufacturer:

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	2,650 lbs.	2,650 lbs.
Length:	187.5 in	187.5 in
Width:	95.9 in	95.9 in
Height:	48.25 in	48.25 in
Square:	125 ft <sup>2</sup>	125 ft <sup>2</sup>
Cube:	503 ft <sup>3</sup>	503 ft <sup>3</sup>

**REFERENCES**

TM 11240-15/4C

TM 9-2330-247-14&P

**TRAILER, 3/4 TON, M116A3**

TAMCN: D0085

NSN: 2330-01-101-8434

ID NUMBER: 09058A



Figure 4-2. Chassis, Trailer, 3/4 Ton, 2-Wheel, M116A3

**DESCRIPTION AND FUNCTION**

The M116A3 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 M116A3 consists of a steel A-frame draw bar 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 M116A3 replaces the M762 chassis, which is now a secondary standard preferred item under the same TAMCN. The M116A3 with cargo body makes up an M101A3 trailer.

Manufacturer: Utility Tool & Body Company, Inc.

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	1,340 lbs.	1,340 lbs.
Length:	147 in	147 in
Width:	81.5 in	81.5 in
Height:	36 in	36 in
Square:	83.2 ft <sup>2</sup>	83.2 ft <sup>2</sup>
Cube:	249.6 ft <sup>3</sup>	249.6 ft <sup>3</sup>

**TM 11240-15/4C**

**ASSOCIATED ITEMS**

M818/M931A1  
Truck/Tractor

**REFERENCES**

TM 11240-15/4C      TM 9-2330-247-14&P

**DOLLY SET, LIFT, M832**

TAMCN: D0105

NSN: 2330-00-221-4939

ID NUMBER: 07513A



Figure 4-3. Dolly Set, Lift, Transportable Shelter, 5-1/4 Ton, M832

**DESCRIPTION AND FUNCTION**

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 that secure to and support the shelter. The adapters are mounted on the dolly's axles by means of rocker arms and strut assemblies that can be raised or lowered by hydraulic hand pumps. A draw bar 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.

Manufacturer: Craig System Corporation

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	3,700 lbs.	3,700 lbs.
Length:	125.5 in*	125.5 in*
Width:	96 in	96 in
Height:	54.5 in*	54.5 in*
Square:	84 ft <sup>2</sup>	84 ft <sup>2</sup>
Cube:	380 ft <sup>3</sup>	380 ft <sup>3</sup>

\* Draw bar removed

TM 11240-15/4C

**REFERENCES**

TM 11240-15/4C

TM 9-2330-275-14&P

**TRAILER, CARGO, M101A2**

TAMCN: D0850

NSN: 2330-01-102-4697

ID NUMBER: 00647B



Figure 4-4. Trailer, Cargo, 3/4 Ton, 2-Wheel, M101A2

**DESCRIPTION AND FUNCTION**

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/M1123 series trucks or other prime movers.

Manufacturer: Chassis: Utility Tool & Body Company, Inc.  
 Body: Pribbs Steel

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	1,340 lbs.	1,340 lbs.
Length:	147 in	147 in
Width:	73.5 in	73.5 in
Height:	35 in	35 in
Square:	75 ft <sup>2</sup>	75 ft <sup>2</sup>
Cube:	219 ft <sup>3</sup>	219 ft <sup>3</sup>

TM 11240-15/4C

**REFERENCES**

TM 11240-15/4C    TM 4750-15/2-10    TM 9-2320-202-14&P    TM 43-0001-31

**TRAILER, CARGO, M105A2**

TAMCN: D0860

NSN: 2330-00-141-8050

ID NUMBER: 00638E



Figure 4-5. Trailer, Cargo, 1-1/2 Ton, 2-Wheel, M105A2

**DESCRIPTION AND FUNCTION**

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.

Manufacturer: Turtle Mountain Manufacturing Company

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	2,650 lbs.	2,650 lbs.
Length:	165.5 in	165.5 in
Width:	83 in	83 in
Height:	98 in	55 in
Square:	96 ft <sup>2</sup>	96 ft <sup>2</sup>
Cube:	779 ft <sup>3</sup>	474 ft <sup>3</sup>

TM 11240-15/4C

**REFERENCES**

TM 4750-15/2-2

TM 8-2330-213-14&P

TM 9-261-200-14

**TRAILER, TANK, WATER, M149A2**

TAMCN: D0880

NSN: 2330-01-108-7367

ID NUMBER: 00648H

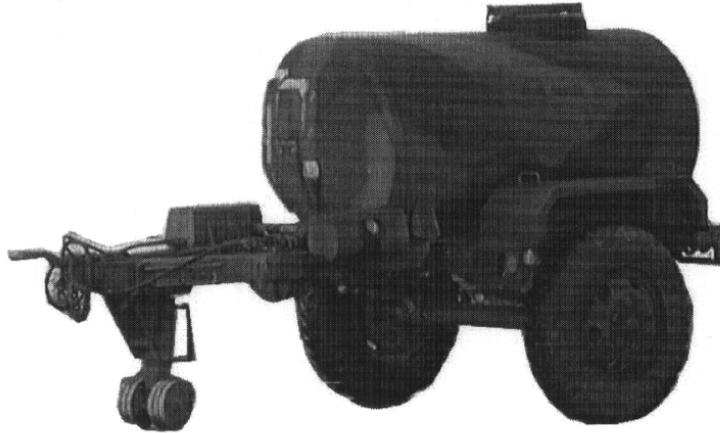


Figure 4-6. Trailer, Tank, Water, 400 Gallon, 1-1/2 Ton, 2-Wheel, M149A2

**DESCRIPTION AND FUNCTION**

The M149A2 transports potable or non-potable 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.

Manufacturer: Turtle Mountain Manufacturing Company

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	2,800 lbs.	2,800 lbs.
Length:	161.5 in	161.5 in
Width:	80.3 in	80.3 in
Height:	79.3 in	79.3 in
Square:	90 ft <sup>2</sup>	90 ft <sup>2</sup>
Cube:	596 ft <sup>3</sup>	596 ft <sup>3</sup>

TM 11240-15/4C

**REFERENCES**

TM 4750-15/2-10

TM 9-2330-267-14&P

**TRAILER, FULL UP POWER PACK (FUPP), M1073**

TAMCN: D0885

NSN: 2330-01-287-9111

ID NUMBER: 10104A

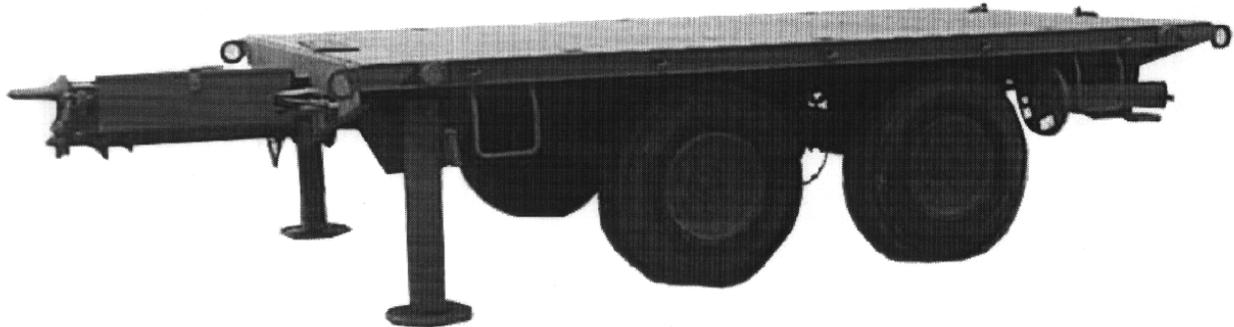


Figure 4-7. Trailer, Full Up Power Pack (FUPP),7-1/2 Ton, M1073

**DESCRIPTION AND FUNCTION**

The M1073 7-1/2 ton Full Up Power Pack (FUPP) trailer is a four wheel, tandem axle trailer equipped with adjustable brackets designed to transport the M1A1 tank Full-Up Power Pack (FUPP). The M1073 is equipped with a lunette extension for coupling to a pintle hitch equipped tow vehicle.

Manufacturer: Utility Tool & Body Company, Inc.

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	7,500 lbs.	7,500 lbs.
Length:	263.6 in	263.6 in
Width:	96 in	96 in
Height:	38.6 in	38.6 in
Square:	176 ft <sup>2</sup>	176 ft <sup>2</sup>
Cube:	566 ft <sup>3</sup>	566 ft <sup>3</sup>

**REFERENCES**

TM 9-2330-376-14&P

## CHAPTER 5

### SEMI-TRAILERS

**5-1. INTRODUCTION.** All semitrailers are designed to be towed by prime movers equipped with fifth wheel assemblies. 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.

**SEMITRAILER, AIRCRAFT REFUELER, M970**

TAMCN: D0215

NSN: 2330-01-050-5635

ID NUMBER: 08089A

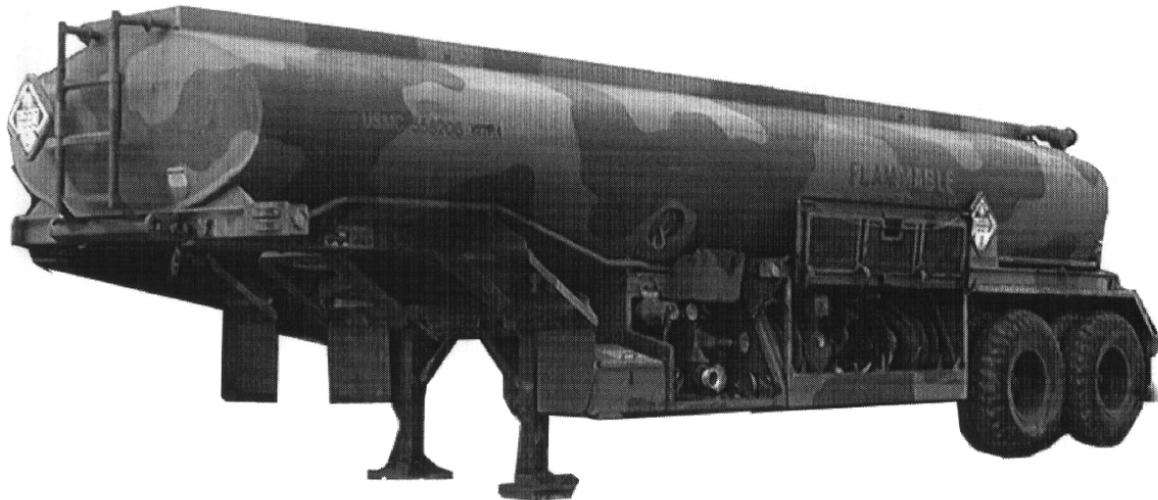


Figure 5-1. Semitrailer, Tank, 5,000 Gallon, Aircraft Refueler, M970

**DESCRIPTION AND FUNCTION**

The M970 is a 5,000-gallon fuel dispensing semitrailer designed for under/over wing refueling of aircraft. It is equipped with a filter/ separator, recirculation system and two refueling systems, one for under wing and one for over wing 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.

Manufacturer: Hail Condon

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	15,300 lbs.	15,300 lbs.
Length:	366 in	366 in
Width:	96 in	96 in
Height:	104.5 in	104.5 in
Square:	244 ft <sup>2</sup>	244 ft <sup>2</sup>
Cube:	2,125 ft <sup>3</sup>	2,125 ft <sup>3</sup>

**ASSOCIATED ITEMS**

M818/M931A1  
Truck/Tractor

**REFERENCES**

TM 4750-15/2-4      TM 9-2330-356-14      TN 9-2330-356-24P

**SEMITRAILER, LOW BED, M870A1**

TAMCN: D0235

NSN: 2330-01-224-9245

ID NUMBER: 07862B

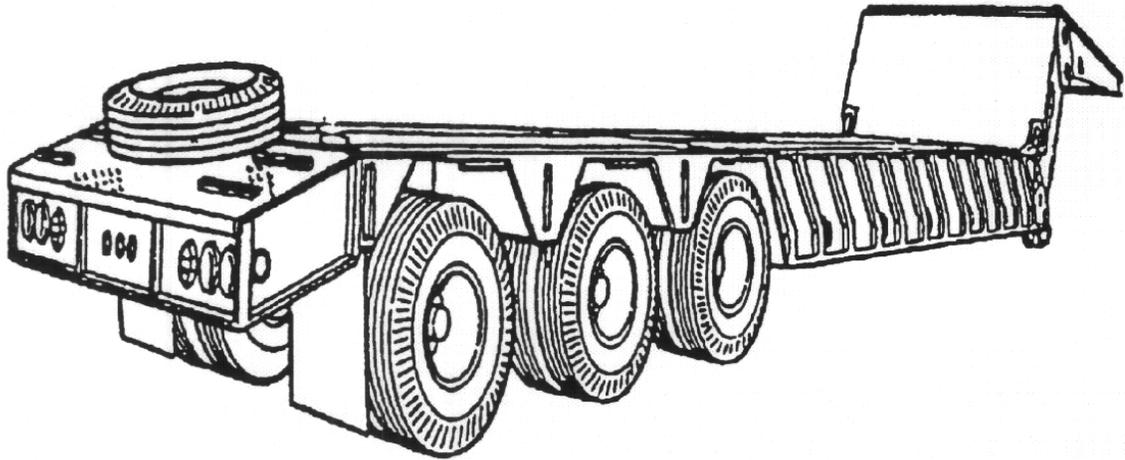


Figure 5-2. Semitrailer, Low Bed, 40 Ton, Construction Equipment Transporter, M870A1

**DESCRIPTION AND FUNCTION**

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. A spare tire is mounted on the rear deck of the vehicle. The prime mover supplies brake air pressure and control of the brakes.

Manufacturer: Shoals American Industries, Inc.

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	19,000 lbs.	19,000 lbs.
Length:	510 in	510 in
Width:	96 in *	96 in *
Height:	72.87 in	72.87 in
Square:	425 ft <sup>2</sup>	425 ft <sup>2</sup>
Cube:	2,064 ft <sup>3</sup>	2,064 ft <sup>3</sup>

\* Expandable to 120 in

**ASSOCIATED ITEMS**

MK48/MK16 LVS System

**REFERENCES**

TM 5-233-378-14&P

**MEDIUM HEAVY EQUIPMENT TRANSPORTER (MHET), M870A2**

TAMCN: D0235

NSN: 2320-01-442-4975

ID NUMBER: 07862C



Figure 5-3. Medium Heavy Equipment Transporter (MHET) M870A2

**DESCRIPTION AND FUNCTION**

The M870A2 is three axle Medium Heavy Equipment Transporter (MHET) that replaces the M870A1 and is designed to haul a payload of 80,000 lbs. in conjunction with an LVS MK48/MK16 fifth wheel truck tractor or a M931A2 truck tractor with reduced payload. The primary removable kingpin is 3.5 inch diameter with an alternate supplied 2 inch diameter kingpin. The M870A2 can be loaded over the folding front gooseneck or over the rear ramps and is equipped with D ring tie downs and folding and removable outriggers for wide loads.

Manufacturer: Kalyn Siebert, Inc.

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	19,6000 lbs.	19,6000 lbs.
Length:	508 in	508 in
Width:	96 in	96 in
Height:	101.3 in	101.3 in
Square:	339 ft <sup>2</sup>	339 ft <sup>2</sup>
Cube:	2,859 ft <sup>3</sup>	2,859 ft <sup>3</sup>

**ASSOCIATED ITEMS**

M818/M931A2	MK48/MK16
Truck/Tractor	LVS System

**REFERENCES**

TM 07862C-13&P

**MEDIUM HEAVY EQUIPMENT TRANSPORTER (MHET), M870A2E1**

TAMCN: D0235

NSN: 2330-01-483-8000

ID NUMBER: 10770A

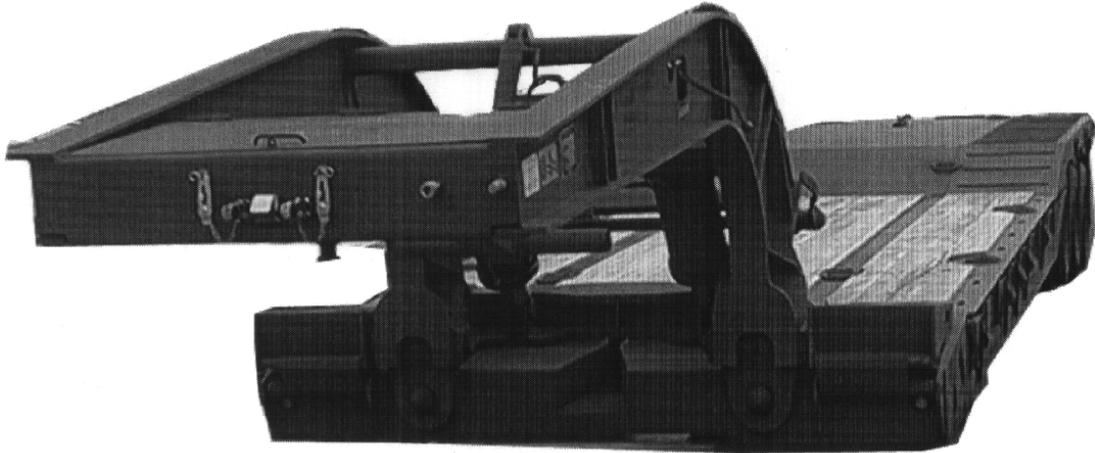


Figure 5-4. Medium Heavy Equipment Transporter (MHET) M870A2E1

**DESCRIPTION AND FUNCTION**

The M870A2E1 is three axle Medium Heavy Equipment Transporter (MHET) is designed to haul AAVs and the 621B Scraper in conjunction with an LVS MK48/MK16 fifth wheel truck tractor or a M931A2 truck tractor with reduced payload. The primary removable kingpin is 3.5 inch diameter with an alternate supplied 2 inch diameter kingpin. The M870A2E1 has a removeable, hydraulically operated gooseneck for the front loading of equipment and is equipped with D ring tie downs and folding outriggers for wide loads.

Manufacturer: Kalyn Siebert, Inc.

Action Officer: GTES-GT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	23,360 lbs.	23,360 lbs.
Length:	507 in	507 in
Width:	120 in	120 in
Height:	in	in
Square:	423 ft <sup>2</sup>	423 ft <sup>2</sup>
Cube:	ft <sup>3</sup>	ft <sup>3</sup>

**ASSOCIATED ITEMS**

M931A2  
Truck/Tractor

MK48/MK16  
LVS System

**REFERENCES**

**CHAPTER 6****SHOP SETS AND MAJOR SERVICE UNITS**

**6-1. 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.

**LUBRICATING AND SERVICING UNIT, 4AO32-11**

TAMCN: D0190

NSN: 4930-01-230-0781

ID NUMBER: 09219A



Figure 6-1. Lubricating and Servicing Unit, Power Operated, Trailer Mounted, 4AO32-11

**DESCRIPTION AND FUNCTION**

The 4AO32-11 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 are 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 4AO32-11 is manufactured by the Elliott Manufacturing Company.

Manufacturer: Elliott Manufacturing Company

Action Officer: GTES-GT, MT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,610 lbs.	5,610 lbs.
Length:	174 in	174 in
Width:	96 in	96 in
Height:	77 in	77 in
Square:	116 ft <sup>2</sup>	116 ft <sup>2</sup>
Cube:	745 ft <sup>3</sup>	745 ft <sup>3</sup>

Fuel Capacity: 10 gallons (gasoline) Fuel consumption: 1 gph

**REFERENCES**

**LUBRICATING AND SERVICING UNIT, 4AO32-1**

TAMCN: D0190

NSN: 4930-00-017-9167

ID NUMBER: 00633C



Figure 5-2. Lubricating and Servicing Unit, Power Operated, Trailer Mounted, 4AO32-1

**DESCRIPTION AND FUNCTION**

The 4AO32-1 is identical to the 4AO32-11 except that it is manufactured by Henry Spen Company instead of the Elliott Manufacturing Company.

Manufacturer: Henry Spen Company

Action Officer: GTES-GT, MT

**TECHNICAL CHARACTERISTICS**

	Operating Mode	Shipping Mode
Weight:	5,610 lbs.	5,610 lbs.
Length:	174 in	174 in
Width:	96 in	96 in
Height:	77 in	77 in
Square:	116 ft <sup>2</sup>	116 ft <sup>2</sup>
Cube:	758 ft <sup>3</sup>	758 ft <sup>3</sup>

Fuel Capacity: 10 gallons (Gasoline) Fuel consumption: 1 gph

**REFERENCES**

TM 11240-15/4C	TM 5-4930-207-12	TM 5-4930-207-20P	TM 5-4930-207-34
TM 5-4930-207-34P	TM 5-4930-217-14	TM 5-4930-217-20P	TM 5-4930-217-34P
TM 9-2805-262-14			

## APPENDIX A

## EQUIPMENT LISTING BY TAMCN SEQUENCE

TAMCN	NOMENCLATURE	MODEL NO.	PAGE
D0080	Chassis, Trailer, General Purpose, 3-1/2 Ton, 2-Wheel	M353	4-2
D0085	Chassis, Trailer, 3/4 Ton, 2-Wheel	M116A3	4-3
D0105	Dolly Set, Lift, Transportable Shelter, 5-1/4 Ton	M832	4-5
D0187	Truck, Utility, Heavy Variant, 4x4	M1097A2	2-37
D0190	Lubricating and Servicing Unit, Power Operated, Trailer Mounted	4A032-11	6-2
D0190	Lubricating and Servicing Unit, Power Operated, Trailer Mounted	4A032-1	6-4
D0195	Palletized Load System (PLS) Flatrack	M1077/A1	3-16
D0198	Medium Tactical Vehicle Replacement (MTVR)	MK23/25	2-70
D0201	Motorcycle, Military, 2-Wheel	M1030	2-3
D0201	Marine Corps Motorcycle	M1030B1	2-5
D0209	Power Unit, Front, 12-1/2 Ton, 4x4	MK48/48A1	3-2
D0210	Aircraft Refueler Capability		2-80
D0215	Semitrailer, Tank, 5,000 Gallon, Aircraft Refueler	M970	5-2
D0235	Semitrailer, Low Bed, 40 Ton, Construction Equipment Transporter	M870A1	5-4
D0235	Medium Heavy Equipment Transporter	M870A2	5-6
D0235	Medium Heavy Equipment Transporter	M870A2E1	5-8
D0850	Trailer, Cargo, 3/4 Ton, 2-Wheel	M101A2	4-7
D0860	Trailer, Cargo, 1-1/2 Ton, 2-Wheel	M105A2	4-9

**TM 11240-15/4C**

<b>TAMCN</b>	<b>NOMENCLATURE</b>	<b>MODEL NO.</b>	<b>PAGE</b>
D0876	Logistics Vehicle System (LVS) Rear Body Unit (RBU), 22-1/2 Ton, Container Hauler, 4x4	MK14/14A1	3-4
D0877	Logistics Vehicle System (LVS) Rear Body Unit (RBU), Wrecker/Recovery, 4x4	MK15/15A1	3-6
D0878	Logistics Vehicle System (LVS) Rear Body Unit (RBU), Fifth Wheel, Semitrailer Adapter, 4x4	MK16/16A1	3-8
D0879	Logistics Vehicle System (LVS) Rear Body Unit (RBU), 20 Ton, Dropside, Cargo, with Material Handling Crane, 4x4	MK17/17A1	3-10
D0880	Trailer, Tank, Water, 400 Gallon, 1-1/2 Ton, 2-Wheel	M149A2	4-11
D0881	Logistics Vehicle System (LVS) Rear Body Unit (RBU), Ribbon Bridge/Container Hauler, 4x4	MK18	3-12
D0881	Logistics Vehicle System (LVS) Rear Body Unit (RBU), Ribbon Bridge/Container Hauler, 4x4	MK18A1	3-14
D0885	Trailer, Full Up Power Pack (FUPP)	M1073	4-13
D1001	Truck, Ambulance, 4-Litter, Armored, 1-1/4 Ton, 4x4, HMMWV	M997	2-26
D1001	Truck, Ambulance, 4-Litter, Armored, 2-1/4 Ton, 4x4	M997A2	2-28
D1002	Truck, Ambulance, 2-Litter, Soft Top, 1-1/4 Ton, 4x4, HMMWV	M1035	2-30
D1002	Truck, Ambulance, 2-Litter, Soft Top, 2-1/4 Ton, 4x4,	M1035A2	2-32
D1059	Truck, Cargo, Dropside, 5 Ton, 6x6 without Winch	M813A1	2-41
D1059	Truck, Cargo, Dropside, 5 Ton, 6x6 with Winch	M813A1	2-43
D1059	Truck, Cargo, Dropside, 5 Ton, 6x6 without Winch	M923A1	2-45
D1059	Truck, Cargo, Dropside, 5 Ton, 6x6 with Winch	M925A1	2-47
D1061	Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, with Winch	M814	2-49

TAMCN	NOMENCLATURE	MODEL NO.	PAGE
D1061	Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, without Winch	M927A1	2-51
D1061	Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, with Winch	M928A1	2-53
D1062	Medium Tactical Vehicle Replacement (MTVR) Extended Bed	MK27/MK28	2-72
D1064	Truck, Fire Fighting, Aircraft Crash and Structure Fire	A/S32P-19A	2-77
D1072	Truck, Dump, 5 Ton, 6x6, without Winch	M817	2-55
D1072	Truck, Dump, 5 Ton, 6x6, with Winch	M817	2-57
D1072	Truck, Dump, 5 Ton, 6x6, without Winch	M929A1	2-58
D1072	Truck, Dump, 5 Ton, 6x6, with Winch	M930A1	2-60
D1073	Dump Truck Medium Tactical Vehicle Replacement	MK29/MK30	2-74
D1092	Truck, Maintenance, Telephone/Utility, Construction, 5 Ton, 6x6	M876A1	2-39
D1125	Truck, TOW Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, without Winch, HMMWV	M1045	2-20
D1125	Truck, TOW Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, with Winch, HMMWV	M1046	2-22
D1125	Truck, TOW Carrier, with Supplemental Armor, 2-1/4 Ton, 4x4	M1045A2	2-24
D1134	Truck, Tractor, 5 Ton	M818	2-62
D1134	Truck, Tractor, 5 Ton, 6x6 without Winch	M931A2	2-58
D1158	Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, without Winch, HMMWV	M998	2-9
D1158	Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, with Winch, HMMWV	M1038	2-11
D1158	Truck, Utility, Cargo/Troop Carrier, 2-1/4 Ton, 4x4	M1123	2-12

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<b>TAMCN</b>	<b>NOMENCLATURE</b>	<b>MODEL NO.</b>	<b>PAGE</b>
D1159	Truck, Utility, Armament Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, without Winch, HMMWV	M1043	2-14
D1159	Truck, Utility, Armament Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, with Winch, HMMWV	M1044	2-16
D1159	Truck, Utility, Armament Carrier, with Supplemental Armor, 2-1/4 Ton, 4x4	M1043A2	2-18
D1160	Fast Attack Vehicle	FAV	2-7
D1180	Truck, Utility, Shelter Carrier, 1-1/4 Ton, 4x4, without Winch, HMMWV	M1037	2-33
D1180	Truck, Utility, Shelter Carrier, 1-1/4 Ton, 4x4, with Winch, HMMWV	M1042	2-35
D1212	Truck, Wrecker, Medium, 5 Ton, 6x6, with Winch	M816	2-66
D1212	Truck, Wrecker, Medium, 5 Ton, 6x6, with Winch	M936A1	2-68
D1213	Medium Tactical Vehicle Replacement Wrecker	MK36	2-70

## APPENDIX B

## EQUIPMENT LISTING BY NOMENCLATURE

NOMENCLATURE	TAMCN	MODEL NO.	PAGE
Aircraft Refueler Capability	D0210		2-80
Chassis, Trailer, 3/4 Ton, 2-Wheel	D0085	M116A1	4-3
Chassis, Trailer, General Purpose, 3-1/2 Ton, 2-Wheel	D0080	M353	4-2
Dolly Set, Lift, Transportable Shelter, 5-1/4 Ton	D0105	M832	4-5
Dump Truck, Medium Tactical Vehicle Replacement	D1073	MK29/MK30	2-74
Fast Attack Vehicle	D1160	FAV	2-7
Logistics Vehicle System (LVS) Rear Body Unit (RBU), 20 Ton, Dropside, Cargo, with Material Handling Crane, 4x4	D0879	MK17/17A1	3-10
Logistics Vehicle System (LVS) Rear Body Unit (RBU), 22-1/2 Ton, Container Hauler, 4x4,	D0876	MK14/14A1	3-4
Logistics Vehicle System (LVS) Rear Body Unit (RBU), Fifth Wheel, Semitrailer Adapter, 4x4	D0878	MK16/16A1	3-8
Logistics Vehicle System (LVS) Rear Body Unit (RBU), Ribbon Bridge/Container Hauler, 4x4	D0881	MK18	3-12
Logistics Vehicle System (LVS) Rear Body Unit (RBU), Ribbon Bridge/Container Hauler, 4x4	D0881	MK18A1	3-14
Logistics Vehicle System (LVS) Rear Body Unit (RBU), Wrecker/Recovery, 4x4	D0877	MK15/15A1	3-6
Lubricating and Servicing Unit, Power Operated, Trailer Mounted	D0190	4A032-11	6-2
Lubricating and Servicing Unit, Power Operated, Trailer Mounted	D0190	4A032-1	6-4

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<b>NOMENCLATURE</b>	<b>TAMCN</b>	<b>MODEL NO.</b>	<b>PAGE</b>
Aircraft Refueler Capability	D0210		2-80
Marine Corps Motorcycle	D0201	M1030B1	2-5
Medium Heavy Equipment Transporter	D0235	M870A2	5-6
Medium Heavy Equipment Transporter	D0235	M870A2E1	5-8
Medium Tactical Vehicle Replacement	D0198	MK23/MK25	2-70
Medium Tactical Vehicle Replacement, Wrecker	D1213	MK36	2-76
Medium Tactical Vehicle Replacement, Extended Bed	D1062	MK28	2-72
Motorcycle, Military, 2-Wheel	D0201	M1030	2-3
Palletized Load System (PLS) Flatrack	D0195	M1077/A1	3-16
Power Unit, Front, 12-1/2 Ton, 4x4	D0209	MK48/48A1	3-2
Semitrailer, Low Bed, 40 Ton, Construction Equipment Transporter	D0235	M870A1	5-2
Semitrailer, Tank, 5,000 Gallon, Aircraft Refueler	D0215	M970	5-2
Trailer, Cargo, 1-1/2 Ton, 2-Wheel	D0860	M105A2	4-9
Trailer, Cargo, 3/4 Ton, 2-Wheel	D0850	M101A2	4-7
Trailer, Full Up Power Pack (FUPP)	D0885	M1073	4-13
Trailer, Tank, Water, 400 Gallon, 1-1/2 Ton, 2-Wheel	D0880	M149A2	4-11
Truck, Ambulance, 2-Litter, Soft Top, 2-1/4 Ton, 4x4,	D1002	M1035A2	2-32
Truck, Ambulance, 2-Litter, Soft Top, 1-1/4 Ton, 4x4, HMMWV	D1002	M1035	2-30
Truck, Ambulance, 4-Litter, Armored, 2-1/4 Ton, 4x4	D1001	M997A2	2-28

NOMENCLATURE	TAMCN	MODEL NO.	PAGE
Aircraft Refueler Capability	D0210		2-80
Truck, Ambulance, 4-Litter, Armored, 1-1/4 Ton, 4x4, HMM	D1001	M997	2-26
Truck, Cargo, Dropside, 5 Ton, 6x6 with Winch	D1059	M925A1	2-47
Truck, Cargo, Dropside, 5 Ton, 6x6 without Winch	D1059	M813A1	2-41
Truck, Cargo, Dropside, 5 Ton, 6x6 with Winch	D1059	M813A1	2-43
Truck, Cargo, Dropside, 5 Ton, 6x6 without Winch	D1059	M923A1	2-5
Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, with Winch	D1061	M814	2-14
Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, with Winch	D1061	M928A1	2-53
Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, without Winch	D1061	M927A1	2-51
Truck, Dump, 5 Ton, 6x6, with Winch	D1072	M817	2-57
Truck, Dump, 5 Ton, 6x6, without Winch	D1072	M817	2-55
Truck, Dump, 5 Ton, 6x6, without Winch	D1072	M929A1	2-58
Truck, Dump, 5 Ton, 6x6, with Winch	D1072	M930A1	2-60
Truck, Fire Fighting, Aircraft Crash and Structure Fire	D1064	A/S32P-19A	2-77
Truck, Maintenance, Telephone/Utility, Construction, 5 Ton, 6x6	D1092	M876A1	2-39
Truck, TOW Carrier, with Supplemental Armor, 2-1/4 Ton, 4x4	D1125	M1045A2	2-24
Truck, TOW Carrier, with Supplemental Armor, 1-	D1125	M1045	2-20

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<b>NOMENCLATURE</b>	<b>TAMCN</b>	<b>MODEL NO.</b>	<b>PAGE</b>
Aircraft Refueler Capability	D0210		2-80
1/4 Ton, 4x4, without Winch, HMMWV			
Truck, TOW Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, with Winch, HMMWV	D1125	M1046	2-22
Truck, Tractor, 5 Ton	D1134	M818	2-62
Truck, Tractor, 5 Ton, 6x6 without Winch	D1134	M931A1	2-58
Truck, Utility, Armament Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, without Winch, HMMWV	D1159	M1043	2-14
Truck, Utility, Armament Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, with Winch, HMMWV	D1159	M1044	2-16
Truck, Utility, Armament Carrier, with Supplemental Armor, 2-1/4 Ton, 4x4	D1159	M1043A2	2-18
Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, with Winch, HMMWV	D1158	M1038	2-11
Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, without Winch, HMMWV	D1158	M998	2-9
Truck, Utility, Cargo/Troop Carrier, 2-1/4 Ton, 4x4	D1158	M1123	2-12
Truck, Utility, Heavy Variant, 4x4	D0187	M1098A2	2-37
Truck, Utility, Shelter Carrier, 1-1/4 Ton, 4x4, with Winch, HMMWV	D1180	M1042	2-33
Truck, Utility, Shelter Carrier, 1-1/4 Ton, 4x4, without Winch, HMMWV	D1180	M1037	2-35
Truck, Wrecker, Medium, 5 Ton, 6x6, with Winch	D1212	M816	2-66
Truck, Wrecker, Medium, 5 Ton, 6x6, with Winch	D1212	M936A1	2-68

## APPENDIX C

## EQUIPMENT LISTING BY MODEL NUMBER

MODEL NO.	TAMCN	NOMENCLATURE	PAGE
4A032-1	D0190	Lubricating and Servicing Unit, Power Operated, Trailer Mounted	6-2
4A032-11	D0190	Lubricating and Servicing Unit, Power Operated, Trailer Mounted	6-4
A/S32P-19A	D1064	Truck, Fire Fighting, Aircraft Crash and Structure Fire	2-77
FAV	D1160	Fast Attack Vehicle	2-7
M101A2	D0850	Trailer, Cargo, 3/4 Ton, 2-Wheel	4-7
M1030	D0201	Motorcycle, Military, 2-Wheel	2-3
M1030B1	D0201	Marine Corps Motorcycle	2-5
M1035	D1002	Truck, Ambulance, 2-Litter, Soft Top, 1-1/4 Ton, 4x4, HMMWV	2-30
M1035A2	D1002	Truck, Ambulance, 2-Litter, Soft Top, 2-1/4 Ton, 4x4,	2-32
M1037	D1180	Truck, Utility, Shelter Carrier, 1-1/4 Ton, 4x4, without Winch, HMMWV	2-33
M1038	D1158	Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, with Winch, HMMWV	2-11
M1042	D1180	Truck, Utility, Shelter Carrier, 1-1/4 Ton, 4x4, with Winch, HMMWV	2-35
M818	D1134	Truck, Tractor, 5 Ton	2-62
M1043	D1159	Truck, Utility, Armament Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, without Winch, HMMWV	2-14

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<b>MODEL NO.</b>	<b>TAMCN</b>	<b>NOMENCLATURE</b>	<b>PAGE</b>
M1043A2	D1159	Truck, Utility, Armament Carrier, with Supplemental Armor, 2-1/4 Ton, 4x4	2-18
M1044	D1159	Truck, Utility, Armament Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, with Winch, HMMWV	2-16
M1045	D1125	Truck, TOW Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, without Winch, HMMWV	2-20
M1045A2	D1125	Truck, TOW Carrier, with Supplemental Armor, 2-1/4 Ton, 4x4	2-24
M1046	D1125	Truck, TOW Carrier, with Supplemental Armor, 1-1/4 Ton, 4x4, with Winch, HMMWV	2-22
M105A2	D0860	Trailer, Cargo, 1-1/2 Ton, 2-Wheel	4-9
M1073	D0885	Trailer, Full Up Power Pack (FUPP)	4-13
M1077/A1	D0195	Palletized Load System (PLS) Flatrack	3-16
M1098A2	D0187	Truck, Utility, Heavy Variant, 4x4	2-37
M1123	D1158	Truck, Utility, Cargo/Troop Carrier, 2-1/4 Ton, 4x4	2-12
M116A3	D0085	Chassis, Trailer, 3/4 Ton, 2-Wheel	4-3
M149A2	D0880	Trailer, Tank, Water, 400 Gallon, 1-1/2 Ton, 2-Wheel	4-11
M353	D0080	Chassis, Trailer, General Purpose, 3-1/2 Ton, 2-Wheel	4-2
M813A1	D1059	Truck, Cargo, Dropside, 5 Ton, 6x6 without Winch	2-41
M813A1	D1059	Truck, Cargo, Dropside, 5 Ton, 6x6 with Winch	2-43
M814	D1061	Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, with Winch	2-49

<b>MODEL NO.</b>	<b>TAMCN</b>	<b>NOMENCLATURE</b>	<b>PAGE</b>
M816	D1212	Truck, Wrecker, Medium, 5 Ton, 6x6, with Winch	2-66
M817	D1072	Truck, Dump, 5 Ton, 6x6, with Winch	2-57
M817	D1072	Truck, Dump, 5 Ton, 6x6, without Winch	2-55
M832	D0105	Dolly Set, Lift, Transportable Shelter, 5-1/4 Ton	4-5
M870A1	D0235	Semitrailer, Low Bed, 40 Ton, Construction Equipment Transporter	5-4
M870A2	D0235	Medium Heavy Equipment Transporter	5-6
M870A2E1	D0235	Medium Heavy Equipment Transporter	5-8
M876A1	D1092	Truck, Maintenance, Telephone/Utility, Construction, 5 Ton, 6x6	2-39
M923A1	D1059	Truck, Cargo, Dropside, 5 Ton, 6x6 without Winch	2-45
M925A1	D1059	Truck, Cargo, Dropside, 5 Ton, 6x6 with Winch	2-47
M927A1	D1061	Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, without Winch	2-51
M928A1	D1061	Truck, Cargo, Dropside, 5 Ton, Extra Long Wheel Base, 6x6, with Winch	2-53
M929A1	D1072	Truck, Dump, 5 Ton, 6x6, without Winch	5-58
M930A1	D1072	Truck, Dump, 5 Ton, 6x6, with Winch	2-60
M931A1	D1134	Truck, Tractor, 5 Ton, 6x6 without Winch	2-58
M936A1	D1212	Truck, Wrecker, Medium, 5 Ton, 6x6, with Winch	2-68
M970	D0215	Semitrailer, Tank, 5,000 Gallon, Aircraft Refueler	5-2
M997	D1001	Truck, Ambulance, 4-Litter, Armored, 1-1/4 Ton, 4x4, HMM	2-26

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<b>MODEL NO.</b>	<b>TAMCN</b>	<b>NOMENCLATURE</b>	<b>PAGE</b>
M997A2	D1001	Truck, Ambulance, 4-Litter, Armored, 2-1/4 Ton, 4x4	2-28
M998	D1158	Truck, Utility, Cargo/Troop Carrier, 1-1/4 Ton, 4x4, without Winch, HMMWV	2-9
MK14/14A1	D0876	Logistics Vehicle System (LVS) Rear Body Unit (RBU), 22-1/2 Ton, Container Hauler, 4x4,	3-4
MK15/15A1	D0877	Logistics Vehicle System (LVS) Rear Body Unit (RBU), Wrecker/Recovery, 4x4	3-6
MK16/16A1	D0878	Logistics Vehicle System (LVS) Rear Body Unit (RBU), Fifth Wheel, Semitrailer Adapter, 4x4	3-8
MK17/17A1	D0879	Logistics Vehicle System (LVS) Rear Body Unit (RBU), 20 Ton, Dropside, Cargo, with Material Handling Crane, 4x4	3-10
MK18	D0881	Logistics Vehicle System (LVS) Rear Body Unit (RBU), Ribbon Bridge/Container Hauler, 4x4	3-12
MK18A1	D0881	Logistics Vehicle System (LVS) Rear Body Unit (RBU), Ribbon Bridge/Container Hauler, 4x4	3-14
MK23/MK25	D0198	Medium Tactical Vehicle Replacement	2-70
MK/27MK28	D1062	Medium Tactical Vehicle Replacement, Extended Bed	2-72
MK29/MK30	D1073	Dump Truck, Medium Tactical Vehicle Replacement	2-74
MK36	D1213	Medium Tactical Vehicle Replacement, Wrecker	2-76
MK48/48A1	D0209	Power Unit, Front, 12-1/2 Ton, 4x4	3-2
	D0210	Aircraft Refueler Capability	2-80

## APPENDIX D

## ABBREVIATIONS

AC	Alternating Current
ANSI	American National Standards Institute
ARC	Aircraft Refueler Capability
FAV	Fast Attack Vehicle
FSSG	Force Service Support Group
ft <sup>2</sup>	Square Feet
ft <sup>3</sup>	Cubic Feet
FUPP	Full Up Power Pack
FY	Fiscal Year
GPFC	Gas-Particulate Filter Unit
gpm	Gallon Per Minute
GT	Ground Transportation
GTES	Ground Transportation and Engineer Systems
HET	Heavy Equipment Hauler
HMMWV	High Mobility, Multi-purpose, Wheeled Vehicle
Hz	Hertz
ID Number	Identification Number
ISO	International Organization of Standards
LAV	Light Armored Vehicle
LVS	Logistics Vehicle System
MARCORSYSCOM	Marine Corps Systems Command
MCESS	Marine Corps Expeditionary Shelter System
MHC	Material Handling Crane
MHE	Material Handling Equipment
MHET	Medium Heavy Equipment Transporter
mm	Millimeter
mph	Miles Per Hour
MRC	Mobile Radio Carrier
MTVR	Medium Tactical Vehicle Replacement
NATO	North Atlantic Treaty Organization
NBC	Nuclear, Chemical, Biological
NSN	National/NATO Stock Number
PLS	Palletized Load System

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RBU	Rear Body Unit
SIXCON	Six Container
SLEP	Service Life Extension Program
TAMCN	Table of Authorized Material Control Number
TOW	Tube launched, Optically-tracked, Wire guided
USMC	United States Marine Corps
VPC	Vehicle Power Conditioner
XLWB	Extra Long Wheel Base