TM 11240-OD

U.S. MARINE CORPS TECHNICAL MANUAL

PRINCIPAL TECHNICAL CHARACTERISTICS OF U.S. MARINE CORPS MOTOR TRANSPORT EQUIPMENT

AUGUST 2007
PCN 180 002976 00

DEPARTMENT OF THE NAVY
Headquarters, U.S. Marine Corps
Washington, DC 20380-0001

31 August 2007

1. This Technical Manual (TM), authenticated for Marine Corps use and effective upon receipt, provides technical characteristics information for Marine Corps Motor Transport Equipment.

2. TM 11240-15/4C of 31 July 2002 is hereby superseded for Marine Corps use.

3. Submit notice of discrepancies or suggested changes on a NAVMC 10772. The NAVMC may be submitted via the Internet using website https://www.ala.usmc.mil , click on Publications, Technical Publications, follow the instructions, then click on NAVMC 10772. It may also be submitted by electronic mail to smb.log.tech.pubs.fct@usmc.mil, or by mailing a paper copy NAVMC 10772 in an envelope addressed to Commander, Marine Corps Systems Command, Attn: Assistant Commander Acquisition and Logistics (LOG/TP), 814 Radford Blvd, Suite 20343, Albany, Georgia 31704-0343. In addition, forward an information copy to the Project Officer at the following address: PM Motor Transport, PMM151, 2200 Lester Street, Quantico, VA 22134-6050.

BY DIRECTION OF THE COMMANDANT OF THE MARINE CORPS

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RECORD OF CHANGES

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TM 11240-OD DATA SHEET LEGEND

The following information is meant as a legend for information presented on TM 11240-OD data sheets. As a quick search option, a Model Number Index I and TAMCN Index II are provided at the end of this manual.

NOMENCLATURE (LONG TITLE, ACRONYM, MODEL NUMBER)

TAMCN	NSN	ID
(Table of Authorized Material Control Number)	(National Stock Number)	(Identification Number)

Digital Photo or Illustration if no Photo Available

DESCRIPTION AND FUNCTION

(One or more paragraphs which provide the end Item's basic information)

Manufacturer: (ie., AM General)

TECHNICAL CHARACTERISTICS

The first column lists Dimensions, Performance Information and Fuel Data. The second column lists the corresponding value (i.e., in., lbs., gal., diesel)

ASSOCIATED ITEMS
(As Required)

This section lists associated items of the end item. These items may include weapons systems, radio/communication systems and/or other end items.

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Section I.

Automotive – Light Fleet

MARINE CORPS MOTORCYCLE, M1030M1

TAMCN D02017B NSN 2340-01-530-9371 ID 11121A

DESCRIPTION AND FUNCTION

The M1030M1 Motorcycle is a two-wheeled, multi-fueled, dual purpose on and off road utility vehicle. The motorcycle is a commercially available Hayes Diversified Technologies 650. The M1030M1 will be employed in garrison and field environments and is designed to perform in all weather conditions (except snow and ice). The M1030M1 can be used for tactical and urban reconnaissance, convoy control and military police functions. The M1030M1 is the replacement for the M1030B1 KRL 650 Motorcycle.

Manufacturer: Hayes Diversified Technologies

TECHNICAL CHARACTERISTICS

Dimensions

Weight	369 lbs. (Dry Weight)
Length	85 in.
Height	54 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	369 lbs.
Width	35.75 in.

Performance Information

Fording Depth	24 in.
Maximum Speed	In excess of 90 mph
Highway Payload	N/A
Cross Country Payload	N/A
Passenger Capacity	2

MARINE CORPS MOTORCYCLE, M1030M1 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP/Biodiesel
Fuel Tank Capacity	4.2 gal.
Fuel Consumption mpg	98 mpg @ 55 mph
Fuel Consumption per hour	.55 gal/hr @ 60 mph

Acquisition Information

In Service Date	29 Sep 2006
Service Life	5 yrs.
Planned Exit Date	1 Oct 2011

INTERIM FAST ATTACK VEHICLE (IFAV)

TAMCN D11607K NSN 2350-01-507-8342 ID 04751F

DESCRIPTION AND FUNCTION

The IFAV is a lightweight, thin-skinned, highly mobile weapons platform providing 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 IFAV 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: Daimler - Chrysler

TECHNICAL CHARACTERISTICS

Dimensions

Length	179in.
Height	73 in.
Reducible Height	53 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	4,290 lbs.
Gross Vehicle Weight / Shipping Weight	7,040 lbs.
Width	65 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	55 mpg
Highway Payload	3,000 lbs.
Cross Country Payload	3,000 lbs.
Passenger Capacity	5

INTERIM FAST ATTACK VEHICLE (IFAV) – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	26 gal.
Fuel Consumption mpg	19 mpg
Fuel Consumption per hour	3.2 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Jul 2001
Service Life	5 yrs.
Planned Exit Date	30 Jul 2006

Associated Items

M240G Machine Gun

M2, .50 Caliber Machine Gun

MK-19 40mm Machine Gun

TRUCK, AMBULANCE, 4-LITTER, ARMORED, M997A2

TAMCN D10017K NSN 2310-01-380-8225 ID 08991C

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	204.5 in.
Height	102 in.
Reducible Height	102 in.
Cargo Deck Height Unloaded	35 in.
Vehicle Curb Weight (includes BII)	7,660 lbs.
Gross Vehicle Weight	9,280 lbs.
Width	86 in.

Performance Information

Fording Depth	30 in (60 in w/kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	10 (4 litter patients)

TRUCK, AMBULANCE, 4-LITTER, ARMORED, M997A2 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	14 mpg
Fuel Consumption per hour	4.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	2 Apr 1985
Service Life	15 yrs.
Planned Exit Date	31 Dec 2019

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

TAMCN D10027K NSN 2310-01-380-8290 ID 08774C

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	182.5 in.
Height	72 in.
Reducible Height	56 in. (+/- 2 in.)
Cargo Deck Height Unloaded	37 in.
Vehicle Curb Weight (includes BII)	6,100 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	86 in.

Performance Information

Fording Depth	30 in (60 in w/kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	10 (2 litter patients)

TRUCK, AMBULANCE, 2-LITTER, SOFT TOP, M1035A2 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	14 mpg
Fuel Consumption per hour	4.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	2 Jan 1985
Service Life	15 yrs.
Planned Exit Date	31 Dec 2019

TRUCK, UTILITY, CARGO/TROOP, M1123

TAMCN D11587K NSN 2320-01-455-9593 ID 08770D

DESCRIPTION AND FUNCTION

The M1123 troop/cargo variant (HMMWVA2) will replace the M998, and M1038 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

TECHNICAL CHARACTERISTICS

Dimensions

Length	182.5 in.
Height	72 in.
Reducible Height	55 in.
Cargo Deck Height Unloaded	37 in.
Vehicle Curb Weight (includes BII)	5,580 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	86 in.

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	55 mph
Highway Payload	4,400 lbs
Cross Country Payload	4,400 lbs.
Passenger Capacity	10

TRUCK, UTILITY, CARGO/TROOP, M1123 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	14 mpg
Fuel Consumption per hour	4.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	28 Apr 1985
Service Life	15 yrs.
Planned Exit Date	31 Dec 2019

Associated Items

MRC Radio Sets

TRUCK, UTILITY, ARMAMENT CARRIER, M1043A2

TAMCN D11597K NSN 2320-01-380-8213 ID 08776C

DESCRIPTION AND FUNCTION

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

Manufacturer: AM General

TECHNICAL CHARACTERISTICS

Dimensions

Length	182.5in.
Height	74 in.
Reducible Height	71
Cargo Deck Height Unloaded	37 in.
Vehicle Curb Weight (includes BII)	7,230 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	86 in.

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs
Cross Country Payload	2,500 lbs.
Passenger Capacity	4

TRUCK, UTILITY, ARMAMENT CARRIER, M1043A2 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	14 mpg
Fuel Consumption per hour	4.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Aug 1985
Service Life	15 yrs.
Planned Exit Date	31 Dec 2019

Associated Items

M240G 7.62mm Machine Gun

MK 19 40 mm Machine Gun

M2 .50 caliber Machine Gun

Associated Radio System

TRUCK, TOW CARRIER, M1045A2

TAMCN D11257K NSN 2320-01-380-8229 ID 08778D

DESCRIPTION AND FUNCTION

The M1045A2 Tube-Launched, Optical-Tracked, Wire-Guided (TOW) missile variant will replace the M1045 and the M1046 HMMWV variants. 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

TECHNICAL CHARACTERISTICS

Dimensions

Length	182.5 in.
Height	76 in.
Reducible Height	71 in.
Cargo Deck Height Unloaded	37 in.
Vehicle Curb Weight (includes BII)	7,258 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	86 in.

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	4

TRUCK, TOW CARRIER, M1045A2 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	14 mpg
Fuel Consumption per hour	4.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	2 Jan 1985
Service Life	15 yrs.
Planned Exit Date	31 Dec 2019

Associated Items

M220E2 TOW-2 Missile System

Associated Radio Set

TRUCK, UTILITY, HEAVY VARIANT, M1097A2

TAMCN D01877K NSN 2320-01-380-8604 ID 09716C

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	190.5 in.
Height	72 in.
Reducible Height	55 in.
Cargo Deck Height Unloaded	37 in.
Vehicle Curb Weight (includes BII)	5,900 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	86 in.

Performance Information

Fording Depth	30 in (60 in w/kit)
Maximum Speed	55 mph
Highway Payload	4,400 lbs.
Cross Country Payload	4,400 lbs.
Passenger Capacity	2

TRUCK, UTILITY, HEAVY VARIANT, M1097A2 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	14 mpg
Fuel Consumption per hour	4.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Oct 1993
Service Life	15 yrs.
Planned Exit Date	31 Dec 2019

Associated Items

Communication Platforms

Weapons Systems Platforms

TRUCK, UTILITY, EXPANDED CAPACITY, UP-ARMORED, ARMT CARRIER, 4X4, M1114

TAMCN D00017K NSN 2320-01-413-3739 ID 11033A

DESCRIPTION AND FUNCTION

This up-armored package provides the occupants with protection from 7.62mm armor piercing attack through a full 360º, 155mm artillery bursting overhead and under body blast. The M1114 can be fitted with a wide range of weapon systems on the roof, including 7.62mm or M2 .50 caliber machine guns or an MK 19 40mm heavy machine gun.

Manufacturer: AM General

TECHNICAL CHARACTERISTICS

Dimensions

Length	196.5 in.
Height	76 in.
Reducible Height	72 in.
Cargo Deck Height Unloaded	36.5 in.
Vehicle Curb Weight (includes BII)	9,800 lbs.
Gross Vehicle Weight	12,100 lbs.
Width	90.5 in.

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	55 mph
Highway Payload	2,300 lbs.
Cross Country Payload	2,300 lbs.
Passenger Capacity	5

TRUCK, UTILITY, EXPANDED CAPACITY, UP-ARMORED, ARMT CARRIER, 4X4, M1114 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	10 mpg
Fuel Consumption per hour	6 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Apr 2004
Service Life	15 yrs.
Planned Exit Date	1 Dec 2019

Associated Items

M240G 7.62mm Machine Gun	MK 19 40 mm Machine Gun
M2 .50 caliber Machine Gun	Associated Radio System

TRUCK, UTILITY, EXPANDED CAPACITY, ARMAMENT CARRIER, IAP/ARMOR READY, M1151A1, W/B1 ARMOR KIT

TAMCN D00307K NSN 2320-01-540-2038 ID TBD

DESCRIPTION AND FUNCTION

The M1151A1 provides mounting and firing of the MK19 automatic grenade launcher; M2 Caliber .50 machine gun; M60, 7.62mm machine gun; M240G, 7.62mm machine gun; and M249, 5.56mm Squad Assault (SAW); ring mounted with a 360 degree arc of fire, with armor protection for crew, weapon components, and ammunition. It features the flexibility of removable armor to support mission requirements. The A1 model designator represents the fact it has Integrated Armor Package (IAP) installed, commonly referred to as “Underbody”.

Manufacturer: AM General

TECHNICAL CHARACTERISTICS

Dimensions

Length	194in.
Height	80 in
Reducible Height	73 in.
Cargo Deck Height Unloaded	35.3 in.
Vehicle Curb Weight (includes BII)	10,300 lbs. w/B1
Gross Vehicle Weight	12,100 lbs. w/B1
Width	91 in.

Performance Information

Fording Depth	30in. (60 in. w/kit)
Maximum Speed	70 mph
Highway Payload	3,950 lbs
Cross Country Payload	1,800 lbs.
Passenger Capacity	4

TRUCK, UTILITY, EXPANDED CAPACITY, ARMAMENT CARRIER, IAP/ARMOR READY, M1151A1, W/B1 ARMOR KIT – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	10.26 mpg
Fuel Consumption per hour	5.8 gal/hr @ 60 mph

Acquisition Information

In Service Date	1Feb 2007
Service Life	15 yrs.
Planned Exit Date	1 May 2021

Associated Items

MK 19 40 mm Machine Gun	M2 .50 caliber Machine Gun
M60 7.62mm Machine Gun	M240G 7.62mm Machine Gun
M249 5.56mm Squad Assault (SAW)	B Mod
FRAG Kits	

TRUCK, UTILITY, EXPANDED CAPACITY, ENHANCED, M1152

TAMCN D00227K NSN 2320-01-518-7332 ID 11285A

DESCRIPTION AND FUNCTION

The Expanded Capacity upgrade from the M1037/ M1042 and the M1097A2, the M1152 is a two door vehicle with air conditioning, shelter, troop transport and modular communication capabilities. It is scheduled for fielding in 2006.

Manufacturer: AM General

TECHNICAL CHARACTERISTICS

Dimensions

Length	194 in.
Height	75 in.
Reducible Height	56 in.
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	6,440 lbs.
Gross Vehicle Weight	11,500 lbs.
Width	86 in.

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	70 mph
Highway Payload	5100 lbs.
Cross Country Payload	5100 lbs.
Passenger Capacity	5

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	10.26 mpg
Fuel Consumption per hour	5.85 gal/hr @ 60 mph

TRUCK, UTILITY, EXPANDED CAPACITY, ENHANCED, M1152 – CONT'D

Acquisition Information

In Service Date	2006
Service Life	15 yrs.
Planned Exit Date	1 Dec 2020

TRUCK, UTILITY, EXPANDED CAPACITY, ENHANCED, IAP/ARMOR READY, M1152A1 W/B2 ARMOR KIT

TAMCN D00337K NSN 2320-01-540-2007 ID TBD

DESCRIPTION AND FUNCTION

The M1152A1can be used as a cargo/troop carrier or as a shelter carrier. As a cargo/troop carrier, it is capable of transporting a two-man crew and eight passengers. As a shelter carrier, it replaces the M1113 and provides the capability to secure and transport the S250 electrical equipment shelter. The M1152A1 features the flexibility of removable armor to support mission requirements. The A1 model designator represents the fact it has Integrated Armor Package (IAP) installed, commonly referred to as “Underbody”.

Manufacturer: AM General

TECHNICAL CHARACTERISTICS

Dimensions

Length	194 in.
Height	76 in./M1152A1 w/B2 75 in.
Reducible Height	56 in.
Cargo Deck Height Unloaded	37.6
Vehicle Curb Weight (includes BII)	7,100 lbs./M1152A1 w/B2 8,760 lbs.
Gross Vehicle Weight	12,100 lbs./M1152A1 w/B2 12,100 lbs.
Width	90.5 in.

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	70 mph
Highway Payload	5,000 lbs /M1152A1 w/B2 3,340 lbs.
Cross Country Payload	5,000 lbs./M1152A1 w/B2 3,340 lbs.
Passenger Capacity	4

TRUCK, UTILITY, EXPANDED CAPACITY, ENHANCED, IAP/ARMOR READY, M1152A1 W/B2 ARMOR KIT – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	10.26 mpg
Fuel Consumption per hour	5.8 gal/hr @60 mph

Acquisition Information

In Service Date	2007
Service Life	15 yrs.
Planned Exit Date	1Dec 2023

Associated Items

Truck, Utility, Expanded Capacity, Enhanced M1152 w/B2

S250 Electrical Equipment Shelter

B Mod

FRAG Kits

TRUCK, UTILITY, COMMAND AND CONTROL/GENERAL PURPOSE VEHICLE, M1165

TAMCN D00317K NSN 2320-01-540-1993 ID 11285B

DESCRIPTION AND FUNCTION

The Expanded Capacity upgrade from the M998 / M1038 and the M1123, the M1165 is a four door vehicle with air conditioning, troop transport with modular communication capabilities and is also used as the Command Variant. It is scheduled for fielding in 2006.

Manufacturer: AM General

TECHNICAL CHARACTERISTICS

Dimensions

Length	194 in.
Height	75 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	6,550 lbs.
Gross Vehicle Weight	11,500 lbs.
Width	86 in.

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	70 mph
Highway Payload	4950 lbs.
Cross Country Payload	4950 lbs.
Passenger Capacity	5

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	10.26 mpg
Fuel Consumption per hour	5.85 gal/hr @ 60 mph

TRUCK, UTILITY, COMMAND AND CONTROL/GENERAL PURPOSE VEHICLE, M1165 – CONT'D

Acquisition Information

In Service Date	2006
Service Life	15 yrs.
Planned Exit Date	1 Dec 2020

TRUCK, UTILITY, COMMAND AND CONTROL/GENERAL PURPOSE VEHICLE, IAP/ARMOR READY, M1165A1, W/B3 ARMOR KIT

TAMCN D00347K NSN 2320-01-540-2017 ID TBD

DESCRIPTION AND FUNCTION

The M1165A1 w/B3 Kit combines the M1097A2 four door body with the M1113 ECV Chassis and is used as a Command and Control/General Purpose Vehicle. The M1165A1 w/B3 Kit features the flexibility of removable armor to support mission requirements. The M1165A1 increases performance to a more current configuration and combines the roles/missions of the M1097A2 Heavy Variant HMMWV for Command and control; armor ready. The A1 model designator represents the fact it has Integrated Armor Package (IAP) installed, commonly referred to as “Underbody”.

Manufacturer: AM General

TECHNICAL CHARACTERISTICS

Dimensions

Length	194 in.
Height	77 in. /M1165A1 w/B3 75 in.
Reducible Height	56 in.
Cargo Deck Height Unloaded	36.3 in.
Vehicle Curb Weight (includes BII)	7,230 lbs./ M1165A1 w/B3 9,870 lbs.
Gross Vehicle Weight	12,100 lbs./ M1165A1 w/B3 12,100 lbs.
Width	90.8 in.

Performance Information

Fording Depth	30 in.(60 in. w/kit)
Maximum Speed	70 mph
Highway Payload	4,870 lbs./M1165A1 w/B3 2,230 lbs.
Cross Country Payload	4,870 lbs.
Passenger Capacity	4

TRUCK, UTILITY, COMMAND AND CONTROL/GENERAL PURPOSE VEHICLE, IAP/ARMOR READY M1165A1, W/B3 ARMOR KIT – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	10.26 mpg
Fuel Consumption per hour	5.8 gal/hr @60 mph

Acquisition Information

In Service Date	2007
Service Life	15 yrs.
Planned Exit Date	31 May 2021

Associated Items

Truck, Utility, Command and Control/General Purpose Vehicle, IAP/Armor Ready M1165A1 w/B3

Section II.

Automotive – Medium Fleet

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), MK23/MK25, MK23A1/MK25A1

TAMCN	D01987K	NSN	2320-01-465-2174	ID	10629A
			2320-01-465-2176		10629B
			2320-01-552-5175		10629G
			2320-01-552-5226		10629H

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 an on-road cruising range of 300 miles. The MK23/Mk25 variants are capable of being transported by highway, rail, sea and air. MK23A1/MK25A1is referred to as “ready to accept armor” (RTAA). This model has upgraded cab mounts, armored flooring, upgraded suspension, and air conditioning. RTAA is not considered an armored vehicle and is interchangeable with the MK23/MK25 to satisfy (T/E) allowances.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS
(Without RTAA)

Dimensions

Length	315 in.
Height	142 in.
Reducible Height	98 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	27,800 lbs./28,690 lbs.
Gross Vehicle Weight	62,200 lbs.
Width	98 in.

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), MK23/MK25, MK23A1/MK25A1. – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	30,000 lbs.
Cross Country Payload	14,000 lbs.
Passenger Capacity	3 (cab)

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	80 gal.
Fuel Consumption mpg	4.5 mpg
Fuel Consumption per hour	13.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Oct 2001
Service Life	22 yrs.
Planned Exit Date	30 Oct 2023

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR) ARMOR SYSTEM (MAS), AMK23/AMK23A1

TAMCN	D00037K	NSN	2320-01-530-5676	ID	10629C
			2320-01-552-0273		10629F

DESCRIPTION AND FUNCTION

The MTVR Armor System is designed for the 7-ton MTVR. The kit provides complete 360-degree protection as well as overhead and underbody protection for the crew compartment utilizing Mil-A-46100 High Hard Steel and Metal Composite. Option for the kit include a personnel carrier. AMK23 is MK23/MK23A1 with non-reducible MAS installed. AMK23A1 is MK23/MK23A1 with reducible MAS installed. Reducible MAS was designed to meet the height restrictions when deployment aboard naval ships and when installed will be reducible to 98 in.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS

Kit Specifications

Weight (cargo + personnel)	10,500 lbs
Configuration	Cargo Variant, Personnel Variant
Quantities	1,850

First kits fielded June 2005

ADDITIONAL ARMORED VARIANTS

AMK25/AMK25A1					
TAMCN	D00047K	NSN	2320-01-530-5677	ID	10629D
			2320-01-551-9433		10629E
AMK27/AMK27A1					
TAMCN	D00057K	NSN	2320-01-530-5678	ID	10631D
			2320-01552-2762		10631G
AMK28/AMK28A1					
TAMCN	D00067K	NSN	2320-01-530-5681	ID	10631E
			2320-01-551-9434		10631F

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR) ARMOR SYSTEM (MAS), AMK23/AMK23A1 – CONT'D

ADDITIONAL ARMORED VARIANTS – CONT'D

AMK29/AMK29A1					
TAMCN	D00077K	NSN	2320-01-530-5684	ID	10632C
			2320-01-552-0250		10632E
AMK30/AMK30A1					
TAMCN	D00087K	NSN	2320-01-530-5685	ID	10632D
			2320-01-552-0269		11448A
AMK31/AMK31A1					
TAMCN	D00137K	NSN	2320-01-530-5687	ID	11165C
			2320-01-552-0282		11165D
AMK36/AMK36A1					
TAMCN	D00157K	NSN	2320-01-530-5691	ID	10633B
			2320-01-552-0268		10633C

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), EXTENDED BED (XL), MK27/28, MK27A1/MK28A1

TAMCN	D10627K	NSN	2320-01-465-2180	ID	10631A
			2320-01-465-2182		10631B
			2320-01-552-2762		10631G
			2320-01-553-3395		10631H

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 an on-road cruising range of 300 miles. The MK27/MK28 variants are capable of being transported by highway, rail, sea and air. MK27A1/MK28A1 is referred to as “ready to accept armor” (RTAA). This model has upgraded cab mounts, armored flooring, upgraded suspension, and air conditioning. RTAA is not considered an armored vehicle and is interchangeable with the MK27/MK28 to satisfy (T/E) allowances.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS
(Without RTAA)

Dimensions

Length	387 in.
Height	141 in.
Reducible Height	98 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	30,178 lbs./31,069 lbs.
Gross Vehicle Weight	62,000 lbs.
Width	98 in.

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), EXTENDED BED (XL), MK27/28, MK27A1/MK28A1 – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	30,000 lbs.
Cross Country Payload	14,000 lbs.
Passenger Capacity	3 (cab)

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	80 gal.
Fuel Consumption mpg	4.5 mpg
Fuel Consumption per hour	13.3 gal/hr @60 mph

Acquisition Information

In Service Date	31 Dec 2002
Service Life	22 yrs.
Planned Exit Date	30 Oct 2023

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), DUMP TRUCK, MK29/30, MK29A1/MK30A1

TAMCN	D10737K	NSN	2320-01-465-2186	ID	10632A
			2320-01-465-2189		10632B
			2320-01-552-0383		10632F
			2320-01-552-5613		11458A

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 MK30 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 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. MK29A1/MK30A1is referred to as “ready to accept armor” (RTAA). This model has upgraded cab mounts, armored flooring, upgraded suspension, and air conditioning. RTAA is not considered an armored vehicle and is interchangeable with the MK29/MK30 to satisfy (T/E) allowances.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS
(Without RTAA)

Dimensions

Length	315 in.
Height	141 in.
Reducible Height	98 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	30,178 lbs./31,069 lbs.
Gross Vehicle Weight	58,618 lbs.
Width	96 in.

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), DUMP TRUCK, MK29/30, MK29A1/MK30A1 – CONT'D

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	28,000 lbs.
Cross Country Payload	12,200 lbs.
Passenger Capacity	3 (cab)

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	80 gal.
Fuel Consumption mpg	4.5 mpg
Fuel Consumption per hour	13.3 gal/hr @60 mph

Acquisition Information

In Service Date	1 Oct 2004
Service Life	22 yrs.
Planned Exit Date	30 Oct 2023

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), TRACTOR, MK31A1

TAMCN D00097K NSN 2320-01-552-0403 ID 11165E

DESCRIPTION AND FUNCTION

The MK31A1, 7-ton tractor variant, replaces the M818, M931 and the M931A1 5-ton tractor series. 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. In addition, this vehicle is equiped with all wheel steering and a sliding 5th wheel. The MK31A1 was procured as the prime mover for the MK970 5,000 gallon refueler. MK31A1 is referred to as "ready to accept armor" (RTAA). This model has upgraded cab mounts, armored flooring, upgraded suspension, and air conditioning.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	296 in.
Height	141 in.
Reducible Height	98 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	28,000 lbs.
Gross Vehicle Weight	94,000 lbs.
Width	98 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	94,000 lbs.
Cross Country Payload	67,000 lbs.
Passenger Capacity	3 (cab)

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), TRACTOR, MK31A1 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	80 gal.
Fuel Consumption mpg	4.5 mpg
Fuel Consumption per hour	13.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Dec 2006
Service Life	22 yrs.
Planned Exit Date	7 May 2029

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), WRECKER, MK36, MK36A1

TAMCN D12137K NSN 2320-01-465-2260 ID 10633A

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. MK36A1is referred to as “ready to accept armor” (RTAA). This model has upgraded cab mounts, armored flooring, upgraded suspension, and air conditioning. RTAA is not considered an armored vehicle and is interchangeable with the MK36 to satisfy (T/E) allowances.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS
(Without RTAA)

Dimensions

Length	387 in.
Height	141 in.
Reducible Height	102 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	48,800 lbs.
Gross Vehicle Weight	49,300 lbs.
Width	98 in.

MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), WRECKER, MK36, MK36A1 – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	
Cross Country Payload	
Crane Lift Capacity	22,000 lbs. @ 9 ft. 3,960 lbs. @ max. reach of 31 ft.
Flat Tow Cross Country	48,800 lbs.
Flat Tow Highway	61,100 lbs.
Lift and Tow	48,800 lbs. GVW w/14,000 lb. lift capacity
Passenger Capacity	3 (cab)

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	80 gal.
Fuel Consumption mpg	4.5 mpg
Fuel Consumption per hour	13.3 gal/hr @60 mph

Acquisition Information

In Service Date	1 Oct 2004
Service Life	22 yrs.
Planned Exit Date	30 Oct 2026

TRK, CARGO, RE-SUPPLY F/HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS), MK37

TAMCN D10637K NSN 2320-01-504-5218 ID 10920A

DESCRIPTION AND FUNCTION

The MTVR MK37 High Mobility Artillery Rocket System (HIMARS) Re-Supply Vehicle (RSV) will carry ammunition to support the HIMARS weapon system. The MK37 is a dual rated, 6x6 truck suitable for use on all types of roads, highways, and cross-country terrain. The MK37 is equipped with a Material Handling Crane (MHC) and a cargo bed configured with rocket pod locator shoes designed to transport two Multiple Launch Rocket Systems Family of Munitions (MFOM) pods over all road and terrain conditions. The MHC is capable of loading and off loading the MFOM pods to the Re-Supply Vehicle (RSV) and Re-Supply Trailer (RST) and from the RSV or RST to the ground. A HIMARS section consists of a launcher, two RSVs and RSTs.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	360 in.
Height	141 in.
Reducible Height	98 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	34,064 lbs.
Gross vehicle weight	44,465 lbs.
Width	98 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	30,000 lbs.
Cross Country Payload	14,000 lbs.
Passenger Capacity	3 (cab)

TRK, CARGO, RE-SUPPLY F/HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS), MK37 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	80 gal.
Fuel Consumption mpg	4.5 mpg
Fuel Consumption per hour	13.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	FY 2004
Service Life	22 yrs.
Planned Exit Date	FY 2026

Associated Items

High Mobility Artillery Rocket Launch System

Re-Supply System Special Tools Kit

Section III.

Automotive – Heavy Fleet

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

TAMCN D10647K NSN 4210-01-137-9943 ID 08674A

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 Corporation

TECHNICAL CHARACTERISTICS

Height	120 in.
Reducible Height	102 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	24,260 lbs.
Gross Vehicle Weight	33,600 lbs.
Width	96 in.

Performance Information

Fording Depth	N/A
Maximum Speed	65 mph
Highway Payload	N/A
Cross Country Payload	N/A
Passenger Capacity	2

TRUCK, FIRE FIGHTING, AIRCRAFT CRASH AND STRUCTURE FIRE, A/S32P-19A, - CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	42 gal.
Fuel Consumption mpg	6 mpg
Fuel Consumption per hour	15 gal/hr

Acquisition Information

In Service Date	1 Mar 1985
Service Life	27 yrs.
Planned Exit Date	1 Jun 2012

Associated Items

Halon Recharging/Rclmr Unit (Reference SL-3-08952A)

AVIATION REFUELER CAPABILITY, ARC/ARC-A1/ARC-A2

TAMCN	D02107K	NSN	2320-01-484-9052	ID	10780A
			2320-01-517-4333		10780B
			2320-01-531-5250		10780C

DESCRIPTION AND FUNCTION

The Aircraft Refueler Capability (ARC) will replace the current M970 refueler and will provide 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 Marine Corps unique requirements. It is self-propelled, blackout capable and is fully transportable by C-141 or larger aircraft, as well as Maritime Prepositioning Force and commercial shipping. This system will provide under and overwing aviation refueling; defueling and internal line haul to the Marine Aircraft Wing (MAW), at both garrison air stations/fields and at deployed expeditionary airfields. The ARC will only be fielded to the MAWs and MPS. The ARC will be transferred to bases and stations as a GME asset. Upon complete fielding of the MK970 the ARC will be phased out of the tactical vehicle inventory.

Manufacturer: Isometrics, Inc.

TECHNICAL CHARACTERISTICS

Dimensions

Length	419 in.
Height	101 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	21,375 lbs.
Gross Vehicle Weight	21,375 lbs.
Width	96 in.

Performance Information

Fording Depth	N/A
Maximum Speed	63 mph
Highway Payload	36,000 lbs.
Cross Country Payload	N/A
Passenger Capacity	2

AVIATION REFUELER CAPABILITY, ARC/ARC-A1/ARC-A2 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	50 gal.
Fuel Consumption mpg	6 mpg
Fuel Consumption per hour	6 gal/hr

Acquisition Information

In Service Date	2 May 2002
Service Life	22 yrs.
Planned Exit Date	30 Jan 2024

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

TAMCN	D02097K	NSN	2320-01-177-5167 2320-01-417-3180	ID	08780A 08780B

DESCRIPTION AND FUNCTION

The MK48/MK48A1 and their associated rear body units (RBU) form the Logistics Vehicle system (LVS). 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

TECHNICAL CHARACTERISTICS

Dimensions

Length	238.5 in.
Height	102 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	25,300 lbs.
Width	96 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	55 mph
Highway Payload	N/A
Cross Country Payload	N/A
Passenger Capacity	2

LOGISTICS VEHICLE SYSTEM (LVS), FRONT POWER UNIT, MK48/MK48A1, MOD 0 – CONT'D

Fuel Data

Fuel Tank Capacity	275 gal.
Fuel Consumption mpg	2 mpg
Fuel Consumption per hour	12.2 gal/hr

Acquisition Information

In Service Date	31 Oct 1998
Service Life	16 yrs.
Planned Exit Date	31 Dec 2014

Associated Items

MK14/14A1Container Hauler

MK15/15A1 Wrecker-Recovery

MK16/16A1 Semi Trailer Adapter

MK17/17A1 Dropside Cargo w/Crane

MK18/18A1 Ribbon Bridge Transporter

Test Set, Hydraulic, 3d Ech, LVS (Reference SL-3-09040A)

Tool Kit, FM, 3d Ech, LVS (Reference SL-3-09031A)

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

TAMCN	D08767K	NSN	2320-01-176-0469 2320-01-417-5294	ID	08781A 08781B

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 Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	238.5 in.
Height	64 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	61 in.
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	16,000 lbs.
Width	96 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	55 mph
Highway Payload	45,000 lbs.
Cross Country Payload	25,000 lbs.
Passenger Capacity	N/A

LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU), MK14/14A1 MOD 0 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	31 Oct 1998
Service Life	16 yrs.
Planned Exit Date	31 Dec 2014

Associated Items

MK48/M48A1

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

TAMCN	D08777K	NSN	2320-01-176-6928	ID	08782A
			2320-01-417-8144		08782B

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. 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 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 allowing operation of the crane and winch from a distance.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	240 in.
Height	140 in.
Reducible Height	96 in.
Cargo Deck Height Unloaded	94 in. (MK15) 100.9 in. (MK15A1)
Vehicle Curb Weight (includes BII)	28,000 lbs.
Gross Vehicle Weight	53,500 lbs.
Width	96 in.

LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU), WRECKER/RECOVERY, MK15/15A1 MOD 0 – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	N/A
Highway Payload	20,000 lbs.
Cross Country Payload	20,000 lbs.
Passenger Capacity	N/A

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Jul 1996
Service Life	15 yrs.
Planned Exit Date	31 Dec 2011

Associated Items

MK48/M48A1

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

TAMCN	D08787K	NSN	2320-01-176-0467 2320-01-417-5293	ID	08783A 08783B

DESCRIPTION AND FUNCTION

The MK16/16A1 combines with the MK48/48A1 Power unit (D0209) to form the fifth wheel semi-trailer variant of the Logistics Vehicle System (LVS). The MK16/16A1 is used to transport semi-trailers equipped with a 3.5-inch diameter kingpin. The primary mission of the MK16/16A1 is to transport the M870 family of semi-trailers; it can also transport any commercial semi-trailer compatible with the kingpin diameter and fifth wheel height. The MK16/16A1 can also transport towed type full trailers and semi-trailers 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 semi-trailer 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 Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	198 in.
Height	87 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	87 in.
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	16,200 lbs.
Width	96 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	N/A
Highway Payload	46,000 lbs.
Cross Country Payload	
Passenger Capacity	N/A

LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU), FIFTH WHEEL, MK16/MK16A1 MOD 0 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	30 Sep 1998
Service Life	16 yrs.
Planned Exit Date	13 Dec 2014

Associated Items

MK48/MK48A1

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

TAMCN D08817K NSN 2320-01-324-5915 ID 09470A

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 International Standards Organization/American National Standards Institute (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

TECHNICAL CHARACTERISTICS

Dimensions

Length	304.5 in.
Height	74.76 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	75 in.
Vehicle Curb Weight (includes BII)	21,800 lbs.
Gross Vehicle Weight	21,800 lbs.
Container Mode Width	96 in.
Ribbon Bridge Mode Width	131.5 in.

LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU), RIBBON BRIDGE/CONTAINER HAULER, MK18 MOD 0 – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	N/A
Highway Payload	44,200 lbs.
Cross Country Payload	25,000 lbs.
Passenger Capacity	N/A

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Oct 1996
Service Life	18 yrs.
Planned Exit Date	13 Dec 2014

Associated Items

MK48/MK48A1

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

TAMCN D08817K NSN 2320-01-393-0293 ID 09470B

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 International Standards Organization / American National Standards Institute (ISO/ANSI) cargo containers though 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

TECHNICAL CHARACTERISTICS

Dimensions

Length	240 in.
Height	148 in.
Reducible Height	102 in.
Cargo Deck Height Unloaded	102 in.
Vehicle Curb Weight (includes BII)	20,100 lbs.
Gross Vehicle Weight	20,100 lbs.
Container Mode Width	101.3 in.
Ribbon Bridge Mode Width	131.5 in.

LOGISTICS VEHICLE SYSTEM (LVS) REAR BODY UNIT (RBU), RIBBON BRIDGE/ CONTAINER HAULER, MK18A1 MOD 0 – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	N/A
Highway Payload	44,000 lbs.
Cross Country Payload	25,000 lbs.
Passenger Capacity	N/A

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Oct 1996
Service Life	18 yrs.
Planned Exit Date	13 Dec 2014

Associated Items

MK48/MK48A1

PALLETIZED LOAD SYSTEM (PLS) FLATRACK, M1077/1077A1, MK1077

TAMCN	D01957K	NSN	3990-01-301-7676 3990-01-537-1045	ID	10562A 10562B

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 International Standards Organization (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. The Palletized Load System (PLS) is also used with the LVSR MKR18 Cargo Variant.

Manufacturer: Steel Tech/Summa Technology, Inc.

Dimensions

Length	248.5 in.
Height	62.48 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	3,200 lbs. (M1077/M1077A1) 3,900 lbs. (MK1077)
Width	95.99 in.

PALLETIZED LOAD SYSTEM (PLS) FLATRACK, M1077/1077A1, MK1077– CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	N/A
Highway Payload	33,000 lbs. (M1077/M1077A1) 32,300 lbs. (MK1077)
Cross Country Payload	
Passenger Capacity	N/A

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Oct 1999
Service Life	15 yrs.
Planned Exit Date	30 Oct 2014

Associated Items

MK48/MK48A1 w/MK18/18A1

Section IV.

Mine Resistant Ambush Protected (MRAP)

COUGAR HARDENED ENGINEER VEHICLE (6X6 HEV)

TAMCN D00237K NSN 2320-01-519-8172 ID 11066A

DESCRIPTION AND FUNCTION

The Cougar HEV is a versatile, diesel powered, pneumatic tired, heavily armored, multi-purpose vehicle that is urgently needed by Explosive Ordnance Disposal teams deployed in support of Operation Enduring Freedom and Operation Iraqi Freedom (OIF) to increase their survivability against Improvised Explosive Devices (IED). The Cougar HEV has adequate armor protection and possesses the capability to carry all required EOD equipment. The Cougar HEVs are also required for contingency operations in support of the Global War on Terrorism by Engineer Mine Clearing teams against IEDs.

Manufacturer: Force Protection Ind., Inc.

TECHNICAL CHARACTERISTICS

Dimensions

Length	294 in.
Height	130 in.
Reducible Height	102 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	41,300 lbs.
Gross Vehicle Weight	51,200 lbs.
Width	108 in.

Performance Information

Fording Depth	39 in.
Maximum Speed	55 mph
Highway Payload	13,000 lbs.
Cross Country Payload	13,000 lbs.
Passenger Capacity	10

COUGAR HARDENED ENGINEER VEHICLE (6X6 HEV) – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	100 gal.
Fuel Consumption mpg	>6.8 mpg
Fuel Consumption per hour	>8 gal.

Acquisition Information

In Service Date	FY05
Service Life	TBD
Planned Exit Date	TBD

COUGAR HARDENED ENGINEER VEHICLE (4X4 EOD)

TAMCN D00247K NSN 2320-01-519-8173 ID 11067A

DESCRIPTION AND FUNCTION

The Cougar 4x4 is a versatile, diesel powered, pneumatic tired, heavily armored, multi-purpose vehicle that is urgently needed by Explosive Ordnance Disposal (EOD) teams deployed in support of Operation Enduring Freedom and Operation Iraqi Freedom to increase their survivability against Improvised Explosive Devices (IED). The Cougar 4x4 has adequate armor protection and possesses the capability to carry all required EOD equipment. The Cougar 4x4 are also required for contingency operations in support of the Global War on Terrorism by Engineer Mine Clearing teams against IEDs.

Manufacturer: Force Protection Ind., Inc.

TECHNICAL CHARACTERISTICS

Dimensions

Length	228 in.
Height	106.5 in.
Reducible Height	95 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	31,700 lbs.
Gross Vehicle Weight	36,000 lbs.
Width	94 in.

Performance Information

Fording Depth	39 in.
Maximum Speed	55 mph
Highway Payload	4,000 lbs.
Cross Country Payload	4,000 lbs.
Passenger Capacity	4

Fuel Data

Fuel Tank Capacity	100 gal.
Fuel Consumption mpg	>6.8 mpg
Fuel Consumption per hour	>8 gal.

COUGAR HARDENED ENGINEER VEHICLE (4X4 EOD) - CONT'D

Acquisition Information

In Service Date	FY05
Service Life	TBD
Planned Exit Date	TBD

JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (JERRV), (4X4 EOD)

TAMCN D00257K NSN 2355-01-532-2174 ID 11202A

DESCRIPTION AND FUNCTION

The JERRV is a versatile, diesel powered, pneumatic tired, heavily armored, multi-purpose vehicle equipped with a 360-degree automatic weapons mount that is urgently needed by Explosive Ordnance Disposal (EOD) teams deployed in support of Operation Enduring Freedom and Operation Iraqi Freedom to increase their survivability against Improvised Explosive Devices (IED). JERRV has adequate armor protection and possesses the capability to carry all required EOD equipment. JERRVs are also required for contingency operations in support of the Global War on Terrorism by Engineer Mine Clearing teams against IEDs.

Manufacturer: Force Protection Ind., Inc.

TECHNICAL CHARACTERISTICS

Dimensions

Length	233 in.
Height	106.5 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	30,000 lbs.
Gross Vehicle Weight	38,000 lbs.
Width	100 in. without mounted spare tires 108 in. with mounted spare tires

Performance Information

Fording Depth	39 in.
Maximum Speed	55 mph
Highway Payload	6,000 lbs.
Cross Country Payload	6,000 lbs.
Passenger Capacity	4

JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (JERRV), (4X4 EOD) – CONT'D

Fuel Data

Fuel Tank Capacity	100 gal.
Fuel Consumption mpg	>6.8mpg
Fuel Consumption per hour	>8 gal.

Acquisition Information

In Service Date	FY05
Service Life	TBD
Planned Exit Date	TBD

JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (JERRV), (6X6 ENGINEER)

TAMCN D00277K NSN 2355-01-529-2246 ID 11291A

DESCRIPTION AND FUNCTION

The JERRV is a versatile, diesel powered, pneumatic tired, heavily armored, multi-purpose vehicle equipped with a 360-degree automatic weapons mount that is urgently needed by Explosive Ordnance Disposal (EOD) teams deployed in support of Operation Enduring Freedom and Operation Iraqi Freedom to increase their survivability against Improvised Explosive Devices (IED). JERRV has adequate armor protection and possesses the capability to carry all required EOD equipment. JERRVs are also required for contingency operations in support of the Global War on Terrorism by Engineer Mine Clearing teams against IEDs.

Manufacturer: Force Protection Ind., Inc.

TECHNICAL CHARACTERISTICS

Dimensions

Length	273 in.
Height	130 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	40,000 lbs.
Gross Vehicle Weight	52,000 lbs.
Width	108 in.

Performance Information

Fording Depth	39 in.
Maximum Speed	55 mph
Highway Payload	12,000 lbs.
Cross Country Payload	12,000 lbs.
Passenger Capacity	10

JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (JERRV),. (6X6 ENGINEER) – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	100 gal.
Fuel Consumption mpg	>6.8mpg
Fuel Consumption per hour	>8 gal.

Acquisition Information

In Service Date	FY05
Service Life	TBD
Planned Exit Date	TBD

BUFFALO MINE PROTECTED CLEARANCE VEHICLE (MPCV)

TAMCN D00267K NSN 2320-01-529-2251 ID 11217A

DESCRIPTION AND FUNCTION

The BUFFALO MPCV is a wheeled, armored platform designed to operate in areas where anti-tank and anti-personnel landmines have been employed. It has an articulated hydraulic arm for investigating suspected mine locations. It can accommodate up to 10 personnel and associated countermine mission equipment. Occupants are protected against mine blasts and 7.62mm North Atlantic Treaty Organization ball ordnance.

Manufacturer: Force Protection Ind., Inc.

TECHNICAL CHARACTERISTICS

Dimensions

Length	332 in.
Height	123 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	43,000 lbs.
Gross Vehicle Weight	70,000 lbs.
Width	98.5 in.

Performance Information

Fording Depth	48 in.
Maximum Speed	40 mph
Highway Payload	20,000 lbs.
Cross Country Payload	20,000 lbs.
Passenger Capacity	10

BUFFALO MINE PROTECTED CLEARANCE VEHICLE (MPCV) – CONT'D

Fuel Data

Fuel Tank Capacity	85 gal.
Fuel Consumption mpg	>7.5 mpg
Fuel Consumption per hour	>5 gal.

Acquisition Information

In Service Date	FY05
Service Life	TBD
Planned Exit Date	TBD

Planned Mine Resistant Ambush Protected (MRAP)

GOLAN

TAMCN TBD NSN TBD ID TBD

DESCRIPTION AND FUNCTION

The Golan is built by Protected Vehicles, Inc., (PVI) as a "next-generation combat vehicle" for the Mine Resistant Ambush Protected (MRAP) Category II vehicle program. It is a diesel powered, pneumatic tired, heavily armored, multi-purpose vehicle equipped with a 360-degree weapon mount. Compared with a HMMWV, this vehicle increases survivability of troops deployed in support of Operation Enduring Freedom and Global War of Terrorism contingency operations when up against Improvised Explosive Devices (IED). The Golan uses armor protection, including the underbelly, and seats six personnel including the driver. The primary mission of the Golan is to provide protected ground mobility operations in threat environments which include ambushes where small arms fire, mines, and IED tactics are employed. The Golan are designed to operate in the various weather and terrain conditions where joint forces deploy. The Golan did not pass all the tests to be qualified for the Mine Resistant Ambush Protected (MRAP) family of vehicles. It was procured in limited numbers and its mission and future use is under review.

Manufacturer: Protected Vehicles Inc.

TECHNICAL CHARACTERISTICS

Dimensions

Length	240 in.
Height	101 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	31,000 lbs.
Gross Vehicle Weight	36,000 lbs.
Width	98 in.

GOLAN – CONT'D

Performance Information

Fording Depth	36 in. without preparation
Maximum Speed	55 mph (sustained)
Highway Payload	5,000 lbs.
Cross Country Payload	5,000 lbs.
Passenger Capacity	8

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	TBD
Fuel Consumption mpg	TBD
Fuel Consumption per hour	TBD

Acquisition Information

In Service Date	TBD
Service Life	TBD
Planned Exit Date	TBD

ALPHA VEHICLE-CAT I

TAMCN TBD NSN TBD ID TBD

DESCRIPTION AND FUNCTION

The Alpha is built by Oshkosh Trucking Company (OTC) as a "next-generation combat vehicle" for the Mine Resistant Ambush Protected (MRAP) Category II vehicle program. It is a diesel powered, pneumatic tired, heavily armored, multi-purpose vehicle equipped with a 360-degree weapon mount. Compared with a HMMWV, this vehicle increases survivability of troops deployed in support of Operation Enduring Freedom and Global War of Terrorism contingency operations when up against Improvised Explosive Devices (IED). The Alpha uses armor protection, including the underbelly, and seats six personnel including the driver. The primary mission of the Alpha is to provide protected ground mobility operations in threat environments which include ambushes where small arms fire, mines, and IED tactics are employed. The Alpha is designed to operate in the various weather and terrain conditions where joint forces deploy. The Alpha did not pass all the tests to be qualified for the Mine Resistant Ambush Protected (MRAP) family of vehicles. It was procured in limited numbers and its mission and future use is under review.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	218 in.
Height	93 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	TBD
Gross Vehicle Weight	26,000 lbs.
Width	95 in.

ALPHA VEHICLE-CAT I - CONT'D

Performance Information

Fording Depth	36 in.
Maximum Speed	68 mph
Highway Payload	1,804 lbs.
Cross Country Payload	1,804 lbs.
Passenger Capacity	6

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	TBD
Fuel Consumption mpg	TBD
Fuel Consumption per hour	TBD

Acquisition Information

In Service Date	TBD
Service Life	TBD
Planned Exit Date	TBD

Section V.

Examples Of Vehicle Armor

M1043A2, MARINE ARMOR KIT (MAK)

TAMCN D00217K NSN 2510-01-525-9357 ID N/A

DESCRIPTION AND FUNCTION

The Marine Armor Kit is designed for the 2-door, 4-door, and Armament Variant High Mobility Multipurpose Wheeled Vehicle A2 (HMMWVA2). The kit provides complete 360° protection as well as overhead and underbody protection utilizing Mil-A-46100 High Hard Steel, Mil-A-12560 Rolled Homogenous Armor, and Mild steel. Options for the kit include air conditioning and mild steel overlay panels for the doors and rocker panels.

Manufacturer: Maintenance Center Albany

TECHNICAL CHARACTERISTICS

Kit Specifications

Weight	2,600 lbs.
A/C	Cool from 134F to 89F in. 20min
Configuration	4-door armament carrier
Quantities	1,058
First kits fielded January 2005	

2-DOOR, MARINE ARMOR KIT (MAK)

TAMCN D00197K NSN 2510-01-525-2639 ID N/A

DESCRIPTION AND FUNCTION

The Marine Armor Kit is designed for the 2-door, 4-door, and Armament Variant High Mobility Multipurpose Wheeled Vehicle A2 (HMMWVA2). The kit provides complete 360^{o} protection as well as overhead and underbody protection utilizing Mil-A-46100 High Hard Steel, Mil-A-12560 Rolled Homogenous Armor, and Mild steel. Options for the kit include air conditioning and mild steel overlay panels for the doors and rocker panels.

Manufacturer: Maintenance Center Albany

TECHNICAL CHARACTERISTICS

Kit Specifications

Weight	3,800 lbs.
A/C	Cool from 134F.to 89F in. 20min
Configuration	2-door w/ flank kit
Quantities	2,731
First kits fielded January 2005	

4-DOOR, MARINE ARMOR KIT (MAK)

TAMCN D00207K NSN 2510-01-525-2758 ID N/A

DESCRIPTION AND FUNCTION

The Marine Armor Kit is designed for the 2-door, 4-door, and Armament Variant High Mobility Multipurpose Wheeled Vehicle A2 (HMMWVA2). The kit provides complete 360° protection as well as overhead and underbody protection utilizing Mil-A-46100 High Hard Steel, Mil-A-12560 Rolled Homogenous Armor, and Mild steel. Options for the kit include air conditioning and mild steel overlay panels for the doors and rocker panels.

Manufacturer: Maintenance Center Albany

TECHNICAL CHARACTERISTICS

Kit Specifications

Weight	3,500 lbs
A/C	Cool from 134F to 89F in. 20min
Configuration	4-door kit
Quantities	1,711
First kits fielded January 2005	

Section VI.

Trailers and Dollies

TRAILER, GENERAL PURPOSE, M353

TAMCN D00807K NSN 2330-00-542-2831 ID 05945A

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: Schutt Industries

TECHNICAL CHARACTERISTICS

Dimensions

Length	187.5 in.
Height	48.25 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	2,650 lbs.
Width	95.9 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	N/A
Highway Payload	7,000 lbs.
Cross Country Payload	7,000 lbs.
Passenger Capacity	N/A

TRAILER, GENERAL PURPOSE, M353

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Jul 1976
Service Life	28 yrs.
Planned Exit Date	30 Sep 2004

TRAILER, 3/4 TON, M116A2, M116A2E1, M116A3

TAMCN	D00857K	NSN	2330-01-101-8434	ID	09058A
			2330-01-333-9773		09058B
			2330-01-359-0080		09058C

DESCRIPTION AND FUNCTION

The M116A2 and M116A3 are single axle, 2-wheeled, general-purpose chassis designed to be towed by ¾-ton to 1-1/4-ton vehicles equipped with towing pintles. They are 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.

TECHNICAL CHARACTERISTICS

Dimensions

Length	147 in.
Height	36 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	1,340 lbs.
Width	81.5 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	N/A
Highway Payload	1,500 lbs.
Cross Country Payload	1,500 lbs.
Passenger Capacity	N/A

TRAILER, 3/4 TON, M116A2, M116A2E1, M116A3 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	10 Oct 1988
Service Life	20 yrs.
Planned Exit Date	30 Oct 2008

TRAILER, CARGO, M101A3

TAMCN D08507K NSN 2330-01-372-5641 ID 00647C

DESCRIPTION AND FUNCTION

The M101A3 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 M101A3 is designed to operate on all types of roads, cross-country terrain and in all weather conditions. There are no restrictions on the M101A3 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

TECHNICAL CHARACTERISTICS

Dimensions

Length	147 in.
Height	35 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	1,340 lbs.
Width	73.5 in.

Performance Information

Fording Depth	Fording depth of water tank trailer is limited to manhole cover. If properly sealed, fording depth limit is to the towing vehicle depth.
Maximum Speed	N/A
Highway Payload	1,500 lbs.
Cross Country Payload	1,500 lbs.
Passenger Capacity	N/A

TRAILER, CARGO, M101A3 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Jan 1977
Service Life	33 yrs.
Planned Exit Date	1 Jun 2010

TRAILER, CARGO, M105A2

TAMCN D08607K NSN 2330-00-141-8050 ID 00638E

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	165.5 in.
Height	98 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	2,650 lbs.
Width	83 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	N/A
Highway Payload	3,000 lbs.
Cross Country Payload	3,000 lbs.
Passenger Capacity	N/A

TRAILER, CARGO, M105A2 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Jun 1963
Service Life	44 yrs.
Planned Exit Date	30 Jun 2007

TRAILER, TANK, WATER, M149, M149A1, M149A2

TAMCN	D08807K	NSN	2330-00-542-2039	ID	00648F
			2330-00-832-8801		00648G
			2330-01-108-7367		00648H

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.

Manufacturer: Turtle Mountain Manufacturing Company

TECHNICAL CHARACTERISTICS

Dimensions

Length	161.5 in.
Height	79.3 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	2,800 lbs.
Width	80.3 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	N/A
Highway Payload	400 gal.
Cross Country Payload	400 gal.
Passenger Capacity	N/A

TRAILER, TANK, WATER, M149, M149A1, M149A2 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	
Service Life	
Planned Exit Date	30 Dec 2010

TRAILER, FULL UP POWER PACK (FUPP), M1073

TAMCN D08857K NSN 2330-01-287-9111 ID 10104A

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.

TECHNICAL CHARACTERISTICS

Dimensions

Length	263.6 in.
Height	38.6 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	37 in.
Vehicle Curb Weight (includes BII)	6,640 lbs.
Gross Vehicle Weight	15,500 lbs.
Width	96 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	55 mph (primary roads) 35 mph (secondary roads) 20 mph (off road)
Highway Payload	15,500 lbs.
Cross Country Payload	15,500 lbs.
Passenger Capacity	N/A

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

TRAILER, FULL UP POWER PACK (FUPP), M1073 – CONT'D

Acquisition Information

In Service Date	1 Jan 1993
Service Life	17 yrs
Planned Exit Date	1 Jan 2010

TRAILER, LIGHT TACTICAL, HEAVY, M1102H

TAMCN D00167K NSN 2330-01-387-5426 ID 11248A

DESCRIPTION AND FUNCTION

The M1102H is a single axle, two wheel, steel frame trailer designed to be towed by the HMMWV. 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. steel A-frame is bolted to the frame with an attached one -position lunette, landing gear and two hand brake levers. The M1102H is designed to operate on all types of roads, cross-country terrain and in all weather conditions. There are no restrictions on the M1102H for movement over primary and secondary roads, however, it is restricted to a maximum speed of 25-mph cross-country.

Manufacturer: Schutt Industries

TECHNICAL CHARACTERISTICS

Dimensions

Length	135 in.
Height	52.5 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	34.5 in.
Vehicle Curb Weight (includes BII)	1,460 lbs.
Gross Vehicle Weight	4,200 lbs.
Width	87.5 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	55 mph (Primary Roads) 35 mph (Secondary Roads) 20 mph (Off Roads)
Highway Payload	2,740 lbs.
Cross Country Payload	2,740 lbs.
Passenger Capacity	N/A

TRAILER, LIGHT TACTICAL, HEAVY, M1102H – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	FY 2005
Service Life	20 yrs
Planned Exit Date	FY 2025

TRAILER, LIGHT TACTICAL, MARINE CORPS CHASSIS, M1102MCC

TAMCN D00177K NSN 2330-01-543-5794 ID 11329A

DESCRIPTION AND FUNCTION

An adaptation of the Army LTT-HC, this trailer is being modified to Marine Corps requirements. Key differences are the solid flat bed and holes to secure the towed equipment

Manufacturer: Schutt Industries

TECHNICAL CHARACTERISTICS

Dimensions

Length	135 in.
Height	40.5 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	34.5 in.
Vehicle Curb Weight (includes BII)	1,175 lbs.
Gross Vehicle Weight	4,200 lbs.
Width	87.5 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	55 mph (primary roads) 35 mph (secondary roads) 20 mph (off roads)
Highway Payload	3,025 lbs.
Cross Country Payload	3,025 lbs.
Passenger Capacity	N/A

TRAILER, LIGHT TACTICAL, MARINE CORPS CHASSIS, M1102MCC – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	FY 2007
Service Life	20 yrs.
Planned Exit Date	FY 2027

TRLR, CARGO, RE-SUPPLY F/HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS), MK38

TAMCN D08617K NSN 2330-01-504-5014 ID 10921A

DESCRIPTION AND FUNCTION

The MTVR MK38 HIMARS Re-Supply Trailer is a four-wheeled, wagon type, trailer with a cargo bed capable of transporting up to two Multiple Launch Rocket Family of Munitions (MFOM) and two Re-Supply Vehicle or Re-Supply Trailer (RST) spare tires. The RST is capable of being towed by any MTVR variant having a standard pintle.

Manufacturer: Pribbs Steel & Manufacturing

TECHNICAL CHARACTERISTICS

Dimensions

Length	314.4 in.
Height	83 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	54.51 in.
Ground Clearance under axels	16.78 in.
Vehicle Curb Weight (includes BII)	9,500 lbs
Gross vehicle weight	22,000 lbs
Width	98 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	12,200 lbs.
Cross Country Payload	12,200 lbs.
Passenger Capacity	N/A

TRLR, CARGO, RE-SUPPLY F/HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS), MK38 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	FY 2005
Service Life	22 yrs
Planned Exit Date	FY 2027

Associated Items

High Mobility Artillery Rocket Launcher System

Section VII.

Semi-Trailers

SEMITRAILER, AIRCRAFT REFUELER, M970

TAMCN D02157K NSN 2330-01-050-5635 ID 08089A

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: Various

TECHNICAL CHARACTERISTICS

Dimensions

Length	366 in.
Height	104.5 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	15,200 lbs.
Gross Vehicle Weight	49,150 lbs.
Width	96 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	N/A
Highway Payload	5,000 gal.
Cross Country Payload	5,000 gal.
Passenger Capacity	N/A

SEMITRAILER, AIRCRAFT REFUELER, M970 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	14 Mar 1978
Service Life	30 yrs.
Planned Exit Date	30 Mar 2008

SEMITRAILER, AIRCRAFT REFUELER, MK970

TAMCN D02157K NSN 2330-01-537-8217 ID 08089B

DESCRIPTION AND FUNCTION

The MK970 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 MK970 can be loaded through the bottom or through the top fill openings A ladder is provided at the rear of the semitrailer for access to the top manhole and a 3-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. The prime mover for the MK970 is the AMK31 series MTVR tractor with or without armor. The M931 seriers 5 ton tractor may be used at a reduced 3000 gallon capacity. The MK970 is replacing the original M970s and the ARCs.

Manufacturer: Heil Trailer International

TECHNICAL CHARACTERISTICS

Dimensions

Overall Length	359 in.
Overall Height	104.5 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	19,000 lbs.
Gross Vehicle Weight	53,700 lbs.
Width	96 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	N/A
Highway Payload	5,000 gal.*
Cross Country Payload	5,000 gal.*
Passenger Capacity	N/A

* 3000 gallons with M931/M932 Series transport

SEMITRAILER, AIRCRAFT REFUELER, MK970 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	7 gal. (pump engine tank)
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 May 2007
Service Life	15 yrs.
Planned Exit Date	1 Jan 2022

Associated Items

AMK31 MTVR, Tractor

MEDIUM HEAVY EQUIPMENT TRANSPORTER (MHET), M870A2

TAMCN D02357K NSN 2330-01-442-4975 ID 07862C

DESCRIPTION AND FUNCTION

The M870A2 is three axle Medium Heavy Equipment Transporter (MHET) that is replacing the M870A1 and is designed to haul a payload of 80,000 lbs. (40-ton) in conjunction with an LVS MK48/MK16 fifth wheel truck tractor, LVSR tractor, or a M931A2 truck tractor with reduced payload. The M870A2 incorporates the Ridewell Corporation air-ride suspension. 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.

TECHNICAL CHARACTERISTICS

Dimensions

Length	508 in.
Height	101.3 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	19,600 lbs.
Width	96 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	N/A
Highway Payload	80,000 lbs.
Cross Country Payload	80,000 lbs.
Passenger Capacity	N/A

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

MEDIUM HEAVY EQUIPMENT TRANSPORTER (MHET), M870A2 – CONT'D

Acquisition Information

In Service Date	1 Apr 1997
Service Life	14 yrs.
Planned Exit Date	28 Feb 2011

Associated Items

M818/M931A2 Truck/Tractor

MK48/MK16 LVS System

LVSR MKR16

MEDIUM HEAVY EQUIPMENT TRANSPORTER (MHET), M870A2-S

TAMCN D02357K NSN 2330-01-534-4570 ID 07862D

DESCRIPTION AND FUNCTION

The M870A2-S is three axle Medium Heavy Equipment Transporter (MHET) that is replacing the M870A2 and is designed to haul a payload of 80,000 lbs. (40-ton) in conjunction with an LVS MK48/MK16 fifth wheel truck tractor, LVSR tractor, or a M931A2 truck tractor with reduced payload. The M870A2-S incorporates a B-21 Reyco Granning Suspension leaf-spring type suspension. M870A2-S trailers are procured as new trailers as well as converted M870A2 trailers during depot level repair efforts. The primary removable kingpin is 3.5-inch diameter with an alternate supplied 2-inch diameter kingpin. The M870A2-S 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.

TECHNICAL CHARACTERISTICS

Dimensions

Length	508 in.
Height	101.3 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	19,600 lbs.
Width	96 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	N/A
Highway Payload	80,000 lbs.
Cross Country Payload	80,000 lbs.
Passenger Capacity	N/A

MEDIUM HEAVY EQUIPMENT TRANSPORTER (MHET), M870A2-S – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Apr 2006
Service Life	14 yrs.
Planned Exit Date	28 Feb 2020

Associated Items

M818/M931A2 Truck/Tractor

MK48/MK16 LVS System

LVSR MKR16

MEDIUM HEAVY EQUIPMENT TRANSPORTER (MHET), M870A2E1

TAMCN D00027K NSN 2330-01-483-8000 ID 10770A

DESCRIPTION AND FUNCTION

The M870A2E1 is three axle Medium Heavy Equipment Transporter (MHET) is designed to haul AAVs and the 621B Scraper and is designed to haul a payload of 100,000 lbs. (50-ton) in conjunction with an LVS MK48/MK16 fifth wheel truck tractor, LVSR MKR16 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 removable, 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.

TECHNICAL CHARACTERISTICS

Dimensions

Length	507 in.
Height	48 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	23,360 lbs.
Gross Vehicle Weight	23,360 lbs.
Width	120 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	35 mph
Highway Payload	100,000 lbs.
Cross Country Payload	100,000 lbs.
Passenger Capacity	N/A

MEDIUM HEAVY EQUIPMENT TRANSPORTER (MHET), M870A2E1 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	1 Apr 2004
Service Life	14 yrs
Planned Exit Date	30 May 2018

Associated Items

MK48/MK16 LVS System	LVSR MKR16

Section VIII.

Planned Equipment

INTERNALLY TRANSPORTABLE VEHICLE (ITV), M1161

TAMCN D11617K NSN 2320-01-531-2701 ID 11167A

DESCRIPTION AND FUNCTION

The Internally Transportable Vehicle (ITV) is a United States Marine Corps (USMC) led program joint with United States Special Operations Command (USSOCOM) to field a family of light attack vehicles to support expeditionary forces. When fielded, the ITV will replace the Interim Fast Attack Vehicle (IFAV) as well as fill the tactical void created by the disposal of all variants of the M151 Jeep.

Manufacturer: General Dynamic-OTS / American Growler

TECHNICAL CHARACTERISTICS

Dimensions

Length	160.63 in.
Height	76.45 in.
Reducible Height	55 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	3,300 lbs.
Gross Vehicle Weight	8,400 lbs.
Width	59.50 in.

Performance Information

Fording Depth	30 in.
Maximum Speed	65 mph
Highway Payload	2,000 lbs.
Cross Country Payload	2,000 lbs.
Passenger Capacity	4

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	Dual 10 gal. tanks
Fuel Consumption mpg	17 mpg
Fuel Consumption per hour	3.5 gal/hr @ 60 mph

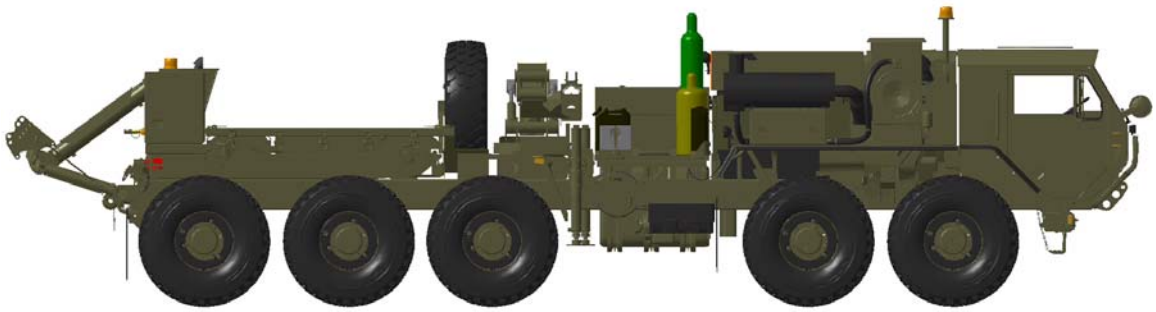
INTERNALLY TRANSPORTABLE VEHICLE (ITV), M1161 – CONT'D

Acquisition Information

In Service Date	FY 2008
Service Life	10 yrs.
Planned Exit Date	FY 2018

TRUCK WRECKER, 10X10, LOGISTICS VEHICLE SYSTEM REPLACEMENT (LVSR), MKR15

TAMCN D12147K NSN 2320-01-543-0651 ID 11321A



DESCRIPTION AND FUNCTION

The MKR15 wrecker is a 10 x 10 truck designed for use on improved roads, highways, and cross-country terrain. The wrecker is designed to operate in a full range of environmental conditions from extreme temperatures such as arctic weather conditions, (-50° F. with Arctic Kit) and tropical conditions to +125° F. Each cab has integral armor incorporated into the cab floor to provide protection from mine blast. In addition, a removal armor kit can be added to the cab providing additional protection against improvised explosive devices and small arms. Each LVSR variant incorporates a 600-horsepower diesel engine, a seven speed automatic transmission, single-speed transfer case, front tandem steering and driving axles, and rear tridem driving axles of which the two rear most axles steer, 16R20 single radial tires on all axles, and a Central Tire Inflation System (CTIS). The wrecker is equipped with tiedown and lifting provisions. The wrecker is equipped with a pair of aft-deploying recovery winches with a 78,000 lbs. combined straight-pull rating, reacting on a hydraulically operated ground anchor. The MKR15 is also furnished with a front mounted self-recovery winch with a 20,000 lbs. straight-pull rating. The wrecker is capable of flat towing or lift-towing the HMMWV series, FMTV series, 5-ton M809 and M939 series, LVS series, MTVR series, MRAP series, and LVSR series vehicles. The LVSR wrecker is capable of towing from a rear pintle, selected trailers up to 53,000 lbs. of gross trailer weight. The wrecker has a centrally mounted material handling crane, which has a maximum rated lift capacity of 15,000 lbs. at an 11 foot radius. The maximum reach of the crane is 23 feet with a 7820 lbs. capacity through an arc of 370° centered at the rear. Outriggers forward of the crane provide stabilization during crane operations. The wrecker also includes a 10,000 lbs. cargo deck with integral tie-downs and ISO locks capable of securing a container. The LVSR Wrecker will replace the MK48/15 and corresponding A1 models.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	451.7 in.
Height w/Container Loaded	162 in.
Reducible Height	102 in
Cargo Deck Height Unloaded	61.9 in
Vehicle Curb Weight (includes BII)	77,806 lbs.
Vehicle Curb Weight w/kits* installed	83,144 lbs.
Gross Vehicle Weight	63,656 lbs.
Width	98 in.

* Kits include add-on armor kit, weapons mount, MCTAGS, machine gun and ammo, run flat kit, and arctic kit.

TRUCK, WRECKER, 10X10, LOGISTICS VEHICLE SYSTEM REPLACEMENT (LVSR), MKR15 – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	N/A
Cross Country Payload	N/A
Passenger Capacity	3

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	166 gal.
Fuel Consumption mpg	2.5 mpg
Fuel Consumption per hour	20 gal/hr @55 mph

Acquisition Information

In Service Date	FY 2011
Service Life	22yrs.
Planned Exit Date	2033

TRUCK, TRACTOR, 10X10, LOGISTICS VEHICLE SYSTEM REPLACEMENT (LVSR), MKR16

TAMCN D08877K NSN 2320-01-542-9941 ID 11316A

DESCRIPTION AND FUNCTION

The MKR16 tractor is a 10 x 10 truck designed for use on improved roads, highways, and cross-country terrain. These trucks are designed to operate in a full range of environmental conditions from extreme temperatures such as arctic weather conditions, (-50° F. with Arctic Kit) and tropical conditions to +125° F. The cab forward design provides for a two man-crew. Each cab has integral armor incorporated into the cab floor to provide protection from mine blast. In addition, a removal armor kit can be added to the cab providing additional protection against improvised explosive devices and small arms. Each LVSR variant incorporates a 600-horsepower diesel engine, a seven speed automatic transmission, single-speed transfer case, front tandem steering and driving axles, and rear tridem driving axles of which the two rear most axles steer, 16R20 single radial tires on all axles, and a Central Tire Inflation System (CTIS). All vehicles are equipped with tiedown and lifting provisions, and a pintle hook used for towing trailers up to 53,000 pounds of gross trailer weight. The tractor is capable of towing the M870 Series Semi Trailers over improved gravel roads with a 100,000 lbs. payload on the trailer. The tractor is equipped with a 60,000 lbs. self recovery winch to winch equipment onto the trailer. The LVSR tractor will replace the MK48/16 and corresponding A1 models.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	408.6 in.
Height	121 in.
Reducible Height	102 in.
Vehicle Curb Weight (includes BII) w/kits* installed	56,345 lbs.
Gross Vehicle Weight	50,170 lbs.
Width	98 in.

*Kits include add-on armor kit, weapons mount, MCTAGS, machinegun and ammo, run flat kit, and arctic kit.

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	TBD
Cross Country Payload	TBD
Passenger Capacity	3

TRUCK, TRACTOR, 10X10, LOGISTICS VEHICLE SYSTEM REPLACEMENT (LVSR), MKR16 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	166 gal.
Fuel Consumption mpg	2.5 mpg
Fuel Consumption per hour	20 gal/hr

Acquisition Information

In Service Date	FY 11
Service Life	22 yrs.
Planned Exit Date	2033

Associated Items

M870A2 40 Ton Trailer

M870A1E2 50 Ton Trailer

TRUCK, CARGO, 10X10, LOGISTICS VEHICLE SYSTEM REPLACEMENT (LVSR), MKR18

TAMCN D08867K NSN 2320-01-542-7628 ID 11313A

DESCRIPTION AND FUNCTION

The LVSR is the Marine Corps heavy fleet vehicle system for transporting heavy bulk and break-bulk cargo, bulk liquids (fuel and water), bridging, ISO containers, flatracks and ammunition. The LVSR cargo variant is a dual rated 10 x 10 truck designed for use on all types of roads, highways, and cross-country terrain. These trucks are designed to operate in extreme temperatures such as arctic weather conditions, (-50° F with Arctic Kit) and tropical conditions to +125° F. The cab forward design provides for a two man-crew. Each LVSR variant uses a 600-horsepower diesel engine, a seven speed automatic transmission, single-speed transfer case, front tandem steering and driving axles, and rear tridem driving axles of which the two rear most axles steer, 16R20 single radial tires on all axles, and a Central Tire Inflation System (CTIS). All vehicles are equipped with tiedown and lifting provisions, and a pintle hook used for towing selected trailers up to 53,000 pounds of gross trailer weight. The LVSR cargo will replace the MK48/14, MK48/17, MK48/18, and corresponding A1 models. It is equipped with Load Handling System (LHS) capable of loading and offloading ISO containers, flat racks, and bridging.

Manufacturer: Oshkosh Truck Corporation

Dimensions

Length	432.2 in.
Height w/Container Loaded	161.9 in.
Reducible Height	102
Cargo Deck Height Unloaded	62.1 in.
Vehicle Curb Weight (includes BII)	60,124 lbs.
Vehicle Curb Weight w/kits* installed	64,125 lbs.
Gross Vehicle Weight	54,052 lbs.
Width	98 in.

*Kits include add-on armor kit, weapons mount, MCTAGS, machinegun and ammo, run flat kit, and arctic kit.

TRUCK, CARGO, 10X10, LOGISTICS VEHICLE SYSTEM REPLACEMENT (LVSR), MKR18 – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	45,000 lbs.
Cross Country Payload	33,000 lbs.
Passenger Capacity	3

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	166 gal.
Fuel Consumption mpg	2.5 mpg
Fuel Consumption per hour	20 gal/hr @ 60 mph

Acquisition Information

In Service Date	FY 2009
Service Life	22 yrs.
Planned Exit Date	2031

Associated Items

Palletized Load System (PLS) Flatrack, M1077/1077A1, MK1077

CROP M3

PLS Trailer Flatrack Refueling Capability M1076

FLATRACK REFUELING CAPABILITY (FRC)

TAMCN D11617K NSN 2320-01-531-2701 ID 11167A

Technology Demonstrator

DESCRIPTION AND FUNCTION

The Flatrack Refueling Capability (FRC) is an LVSR compatible system designed to dispense to, and defuel from, USMC aircraft at forward locations and refuel ground elements. It consists of a 2500-3000 gallon tank, an on-board pump, a filter assembly, and required hoses and equipment.

Manufacturer: TBD

TECHNICAL CHARACTERISTICS

Dimensions

Weight	TBD
Length	TBD
Height	TBD
Reducible Height	TBD
Cargo Deck Height Unloaded	TBD
Vehicle Curb Weight (includes BII)	TBD
Width	TBD

Performance Information

Fording Depth	TBD
Maximum Speed	TBD
Highway Payload	TBD
Cross Country Payload	TBD
Passenger Capacity	TBD

FLATRACK REFUELING CAPABILITY (FRC) – CONT'D

Fuel Data

Type of fuel	Diesel/JP
Fuel Tank Capacity	2500 gal. fuel tank with an integrated 200 gpm pump (threshold)
Fuel Consumption mpg	TBD
Fuel Consumption per hour	TBD

Acquisition Information

In Service Date	TBD
Service Life	TBD
Planned Exit Date	TBD

TRAILER, CARGO, MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), MK105

TAMCN D08627K NSN 2330015391567 ID 11281A

DESCRIPTION AND FUNCTION

The MTVR Cargo Trailer is the Marine Corps Medium fleet trailer for transporting break-bulk cargo, and ammunition. The cargo trailer is designed for use on all types of roads, highways, and cross-country terrain and it is designed to match the MTVR speeds over these specific terrain types. The cargo trailer is rated for an 8000 pound payload over all terrain types and is designed to operate in a full range of environmental conditions from extreme temperatures such as arctic weather conditions -50° F with and tropical conditions to +125° F. The headboard and tailgates are removable for ease of loading. The trailer incorporates 24 inch sideboards for cargo containment along with on-board stowage of the tarp, bows, headboard, and tailgate. There are integral tie-downs located on the side-rails and in the bed of the trailer for various load configurations. All trailers are equipped with tiedown and lifting provisions. The MTVR Cargo Trailer will replace the current M105 series cargo trailers.

Manufacturer: Choctaw Manufacturing and Development Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Weight	19,140 lbs.
Length	198 in.
Height w/Tarp & Bows installed	125 in.
Reducible Height	68 in.
Cargo Deck Height Unloaded	46 in.
Vehicle Curb Weight (includes BII)	11,140 lbs.
Width	97 in.
Square	133 sq/ft
Cube	756 cu/ft
Cube w/Tarp & Bows installed	1392 cu/ft

TRAILER, CARGO, MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), MK105 – CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	8,000 lbs.
Cross Country Payload	8,000 lbs.
Passenger Capacity	N/A

Fuel Data

Type of fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	FY09
Service Life	22 yrs.
Planned Exit Date	2031

Associated Items

MTVR Medium Tactical Vehicle Replacement (MK23/25, MK27/28, MK29/30, MK31, MK36)

TRAILER, GENERATOR, MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), MK353

TAMCN D00817K NSN 2330015383207 ID 11271A

DESCRIPTION AND FUNCTION

The MTVR Generator Trailer is the Marine Corps Medium fleet trailer for transporting power generation equipment. The generator trailer is designed for use on all types of roads, highways, and cross-country terrain and is designed to match the MTVR speeds over these specific terrain types. The generator trailer is rated to haul all 30 and 60kW generator sets and is designed to operate in a full range of environmental conditions from extreme temperatures such as arctic weather conditions -25° F and tropical conditions to +125° F. The generator trailer also incorporates adjustable mounting hardware to ensure proper load placement along with two jerry can holders for additional fuel capability. All trailers are equipped with tiedown and lifting provisions. The MTVR Generator Trailer will replace the current M353 general purpose trailers.

Manufacturer: Choctaw Manufacturing and Development Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Weight	16,520 lbs.
Length	198 in.
Height	56 in.
Reducible Height	56 in.
Cargo Deck Height Unloaded	46 in.
Vehicle Curb Weight (includes BII)	8,520 lbs.
Width	97 in.
Square	133 sq/ft
Cube	623 cu/ft

TRAILER, GENERATOR, MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), MK353 - CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	8,000 lbs.
Cross Country Payload	8,000 lbs.
Passenger Capacity	N/A

Fuel Data

Type of fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	FY09
Service Life	22 yrs.
Planned Exit Date	2031

Associated Items

MTVR Medium Tactical Vehicle Replacement (MK23/25, MK27/28, MK29/30, MK31, MK36)

LVSR

TRAILER, WATER, MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), MK149

TAMCN D08827K NSN 2330015386359 ID 11268A

DESCRIPTION AND FUNCTION

The MTVR Water Trailer is the Marine Corps Medium fleet trailer for transporting potable water. The water trailer is designed for use on all types of roads, highways, and cross-country terrain and is designed to match the MTVR speeds over these specific terrain types. The water trailer is rated for 600 gallons over all terrain types and is designed to operate in a full range of environmental conditions from extreme temperatures such as arctic weather conditions (-25° F w/o a heater kit) and tropical conditions to +125° F. The water trailer has an 18 inch hatch to allow for easy ingress to the tank for cleaning. The trailer contains three visual level indicators in the rear of the tank for accurate water level indication. The dispensing unit is removable and stowable on the trailer to ensure safe transport of the dispensing system without damage. The dispensing system contains 6 dispensing points that allow efficient filling of 5-gallon cans and canteens. All trailers are equipped with tiedown and lifting provisions. The MTVR Water Trailer will replace the current M149 series water bulls.

Manufacturer: Choctaw Manufacturing and Development Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Weight	15,318 lbs.
Length	198 in.
Height	93 in.
Reducible Height	93 in.
Cargo Deck Height Unloaded	46 in.
Vehicle Curb Weight (includes BII)	10,220 lbs.
Width	97 in.
Square	133 sq/ft
Cube	1037 cu/ft

TRAILER, WATER, MEDIUM TACTICAL VEHICLE REPLACEMENT (MTVR), MK149 - CONT'D

Performance Information

Fording Depth	60 in.
Maximum Speed	65 mph
Highway Payload	600 gal.
Cross Country Payload	600 gal.
Passenger Capacity	N/A

Fuel Data

Type of fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	FY09
Service Life	22 yrs.
Planned Exit Date	2031

Associated Items

MTVR Medium Tactical Vehicle Replacement (MK23/25, MK27/28, MK29/30, MK31, MK36)

Section IX.

Phased-Out Equipment

MOTORCYCLE, MILITARY, 2-WHEEL, M1030

TAMCN D02017K NSN 2340-01-340-5246 ID 09580A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	84.25 in.
Height	47.5 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	355 lbs.
Gross Vehicle Weight	600 lbs.
Width	56 in.

Performance Information

Fording Depth	24 in.
Maximum Speed	90 mph
Highway Payload	N/A
Cross Country Payload	N/A
Passenger Capacity	1

MOTORCYCLE, MILITARY, 2-WHEEL, M1030 – CONT'D

Fuel Data

Type of Fuel	Gasoline
Fuel Tank Capacity	2.8 gal.
Fuel Consumption mpg	75 mpg
Fuel Consumption per hour	.8 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Mar 1990
Service Life	5 yrs.
Planned Exit Date	FY 1995

MARINE CORPS MOTORCYCLE, M1030B1

TAMCN D02017B NSN 2340-01-465-2533 ID 09580B

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

TECHNICAL CHARACTERISTICS

Dimensions

Weight	358 lb.
Length	85 in.
Height	54 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	358 lbs.
Width	36 in.

Performance Information

Fording Depth	24 in.
Maximum Speed	75 mph
Highway Payload	N/A
Cross Country Payload	N/A
Passenger Capacity	1

MARINE CORPS MOTORCYCLE, M1030B1 – CONT'D

Fuel Data

Type of Fuel	Gasoline
Fuel Tank Capacity	2.8 gal.
Fuel Consumption mpg	75 mpg
Fuel Consumption per hour	.8 gal. @ 60 mph

Acquisition Information

In Service Date	1 Mar 1990
Service Life	5 yrs.
Planned Exit Date	15 Aug 1995

TRUCK, UTILITY, CARGO/TROOP CARRIER, M998

TAMCN D11587K NSN 2320-01-107-7155 ID 08770A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	182.5 in.
Height	73.5 in.
Reducible Height	56 in.
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	5,850 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	86 in.

TRUCK, UTILITY, CARGO/TROOP CARRIER, M998 – CONT'D

Performance

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500lbs.
Passenger Capacity	10

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25.5 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Apr 1985
Service Life	15 yrs.
Planned Exit Date	1 Aug 2008

TRUCK, UTILITY, CARGO/TROOP CARRIER, M1038

TAMCN D11587K NSN 2320-01-107-7156 ID 08771A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	185 in.
Height	69 in.
Reducible Height	55 in.
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	5,140 lbs.
Gross Vehicle Weight	8,500 lbs.
Width	85 in.

Performance Information

Fording Depth	30 in. (60 in. w/ kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	10

TRUCK, UTILITY, CARGO/TROOP CARRIER, M1038 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Apr 1985
Service Life	15 yrs.
Planned Exit Date	1 Aug 2004

TRUCK, UTILITY, ARMAMENT CARRIER, M1043

TAMCN D11597K NSN 2320-01-146-7190 ID 08776A

DESCRIPTION AND FUNCTION

The M1043 is an armament carrier (with supplemental armor) model of the M998 series of 1-1/4 ton trucks. Its intended purpose is to primarily be a weapons carrier in the Heavy Machine gun Section, Weapons Company, Infantry Battalion. The M1043 is a fully enclosed, aluminum body tactical truck, fitted with additional aluminum armor providing added ballistic protection to the crew, equipment and ammunition. It is designed as a weapons platform for the M240G, 7.62mm machine gun, the M2 .50 caliber machine gun and the MK19 40mm machine gun. 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 machine guns. Its chassis, mechanical components and performance are the same as other models of the M998 series.

Manufacturer: AM General

TECHNICAL CHARACTERISTICS

Dimensions

Length	180 in.
Height	73 in.
Reducible Height	71 in.
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	7,210 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	85 in.

TRUCK, UTILITY, ARMAMENT CARRIER, M1043 – CONT'D

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	4

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Aug 1985
Service Life	15 yrs.
Planned Exit Date	1 Aug 2004

Associated Items

M240G 7.62mm Machine Gun

MK 19 40mm Machine Gun

M2 .50 Caliber Machine Gun

TRUCK, TOW CARRIER, M1045

TAMCN D11257K NSN 2320-01-371-9580 ID 08778A

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 centerline. 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

TECHNICAL CHARACTERISTICS

Dimensions

Length	180 in.
Height	73 in.
Reducible Height	71 in.
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	7,264 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	85 in.

TRUCK, TOW CARRIER, M1045 – CONT'D

Performance Information

Fording Depth	30 in. (60 in. w/kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	2

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Aug 1985
Service Life	15 yrs.
Planned Exit Date	1 Aug 2009

Associated Items

M220E2 TOW-2 Missile System

Associated Radio Set

TRUCK, TOW CARRIER, M1046

TAMCN D11257K NSN 2320-01-146-7188 ID 08779A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	185 in.
Height	73 in.
Reducible Height	71 in.
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	7,264 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	85 in.

Performance Information

Fording Depth	30 in. (60 in. w/ kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	4

TRUCK, TOW CARRIER, M1046 – CONT'D

Performance Information

Fording Depth	30 in (60 in. w/kit)
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Aug 1985
Service Life	15 yrs.
Planned Exit Date	1 Aug 2004

Associated Items

M220E 2TOW-2 Missile System

Associated Radio Set

TRUCK, AMBULANCE, 4-LITTER, ARMORED, M997

TAMCN D10017K NSN 2310-01-111-2274 ID 08991A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	202 in.
Height	100 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	7,770 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	85 in.

TRUCK, AMBULANCE, 4-LITTER, ARMORED, M997 – CONT'D

Performance Information

Fording Depth	30 in. (60 in. w/ kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	10 (4 litter patients)

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Apr 1986
Service Life	15 yrs.
Planned Exit Date	1 Aug 2004

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

TAMCN D10027K NSN 2310-01-146-7194 ID 08774A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	180 in.
Height	69 in.
Reducible Height	55 in.
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	6,100 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	85 in.

Performance Information

Fording Depth	30 in. (60 in. w/ kit)
Maximum Speed	55 mph
Highway Payload	2,500 lbs.
Cross Country Payload	2,500 lbs.
Passenger Capacity	10 (2 litter patients)

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

TRUCK, AMBULANCE, 2-LITTER, SOFT TOP, M1035 – CONT'D

Aquisition Information

In Service Date	1 Apr 1985
Service Life	15 yrs.
Planned Exit Date	1 Aug 2009

TRUCK, CARGO, DROPSIDE, M813A1 (WITHOUT WINCH)

TAMCN D10597K NSN 2320-00-050-8913 ID 08262A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	303.7 in.
Height	116.8 in.
Reducible Height	85.1 in.
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	20,455 lbs.
Width	97.5 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

TRUCK, CARGO, DROPSIDE, M813A1 (WITHOUT WINCH) – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	78 gal.
Fuel Consumption mpg	4.5 mpg
Fuel Consumption per hour	13.3 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Jun 1981
Service Life	23 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, CARGO, DROPSIDE, M813A1 (WITH WINCH)

TAMCN D10597K NSN 2320-00-050-8905 ID 08263A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	319.2 in.
Height	116.8 in.
Reducible Height	85.1 in.
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	21,120 lbs.
Width	97.5 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	78 gal.
Fuel Consumption mpg	4.5 mpg
Fuel Consumption per hour	13.3 gal/hr @ 60 mph

TRUCK, CARGO, DROPSIDE, M813A1 (WITH WINCH) – CONT'D

Acquisition Information

In Service Date	22 May 1980
Service Life	24 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, CARGO, DROPSIDE, M923A1

TAMCN D10597K NSN 2320-01-230-0307 ID 08087A

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

TECHNICAL CHARACTERISTICS

Dimensions

Overall Length	310.5 in.
Overall Height	121 in.
Reducible Height	93.9 in.
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	21,740 lbs.
Width	97 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

TRUCK, CARGO, DROPSIDE, M923A1 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	81 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	22 May 1980
Service Life	24 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, CARGO, DROPSIDE, M925A1

TAMCN D10597K NSN 2320-01-230-0308 ID 08088A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	332 in.
Height	121 in.
Reducible Height	93.9 in.
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	22,700 lbs.
Width	97 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	81 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

TRUCK, CARGO, DROPSIDE, M925A1 - CONT'D

Acquisition Information

In Service Date	22 May 1980
Service Life	24 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, CARGO, EXTRA LONG WHEEL BASE, M814

TAMCN D10617K NSN 2320-00-050-8988 ID 08329A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	379.7 in.
Height	116.6 in.
Reducible Height	84.9 in.
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	22,875 lbs.
Width	97.5 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

TRUCK, CARGO, EXTRA LONG WHEEL BASE, M814 - CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	91 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @60 mph

Acquisition Information

In Service Date	1 Oct 1982
Service Life	22 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, CARGO, EXTRA LONG WHEEL BASE, M927A1

TAMCN D10617K NSN 2320-01-230-0309 ID 08226A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	385.5 in.
Height	123.4 in.
Reducible Height	93.5 in.
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	24,660 lbs.
Width	98 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

TRUCK, CARGO, EXTRA LONG WHEEL BASE, M927A1 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	91 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	22 May 1980
Service Life	16 yrs.
Planned Exit Date	30 Dec 2004

Associated Items

UAV systems

TRUCK, CARGO, EXTRA LONG WHEEL BASE, M928A1

TAMCN D10617K NSN 2320-01-230-0310 ID 08214A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	408 in.
Height	120.6 in.
Reducible Height	93.5 in.
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	25,620 lbs.
Width	98 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	81 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

TRUCK, CARGO, EXTRA LONG WHEEL BASE, M928A1 – CONT'D

Aquisition Information

In Service Date	22 May 1980
Service Life	16 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, DUMP, 5 TON, M817 (WITHOUT WINCH)

TAMCN D10727K NSN 2320-00-050-8970 ID 00659C

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	273 in.
Height	112.1 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	23,090 lbs.
Width	97.5 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

TRUCK, DUMP, 5 TON, M817 (WITHOUT WINCH) – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	81 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Oct 1983
Service Life	21 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, DUMP, 5 TON, M817 (WITH WINCH)

TAMCN D10727K NSN 2320-00-051-0589 ID 00659D

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	288.5 in.
Height	112.1 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	23,755 lbs.
Width	97.5 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

TRUCK, DUMP, 5 TON, M817 (WITH WINCH) – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	110 gal.
Fuel Consumption mpg	4 mpg
Fuel Consumption per hour	15 gal/hr @ 60 mph

Acquisition Information

In Service Date	22 May 1980
Service Life	16 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, DUMP, 5 TON, M929A1

TAMCN D10727K NSN 2320-01-230-0305 ID 08394A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	274.8 in.
Height	124.4 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	24,000 lbs.
Width	97 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

TRUCK, DUMP, 5 TON, M929A1 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	116 gal.
Fuel Consumption mpg	4.2 mpg
Fuel Consumption per hour	14.3 gal/hr

Acquisition Information

In Service Date	22 May 1980
Service Life	16 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, DUMP, 5 TON, M930A1

TAMCN D10727K NSN 2320-01-230-0306 ID 08689A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	294.5 in.
Height	124.4 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	24,960 lbs.
Width	97 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	116 gal.
Fuel Consumption mpg	4.1 mpg
Fuel Consumption per hour	14.6 gal/hr @ 60 mph

TRUCK, DUMP, 5 TON, M930A1 – CONT'D

Acquisition Information

In Service Date	22 May 1980
Service Life	16 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, TRACTOR, 5 TON, M818

TAMCN D11347K NSN 2320-00-050-8984 ID 08325A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	266 in.
Height	116 in.
Reducible Height	86 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	20,290 lbs.
Width	98 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	110 gal.
Fuel Consumption mpg	4.4 mpg
Fuel Consumption per hour	13.6 gal/hr @ 60 mph

TRUCK, TRACTOR, 5 TON, M818 – CONT'D

Acquisition Information

In Service Date	Oct 1982
Service Life	24 yrs.
Planned Exit Date	30 Dec 2006

TRUCK, TRACTOR, 5 TON, M931A1

TAMCN D11347K NSN 2320-01-230-0302 ID 08085A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	264.5 in.
Height	121.2 in.
Reducible Height	94.1 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	19,895 lbs.
Width	97.4 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	10,000 lbs.
Cross Country Payload	10,000 lbs.
Passenger Capacity	2

TRUCK, TRACTOR, 5 TON, M931A1 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	116 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	22 May 1980
Service Life	16 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, WRECKER, MEDIUM, 5 TON, M816

TAMCN D12127K NSN 2320-00-051-0489 ID 08324A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	356.2 in.
Height	111.8 in.
Reducible Height	108.2 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	36,129 lbs.
Width	97.5 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	N/A
Cross Country Payload	N/A
Passenger Capacity	2

TRUCK, WRECKER, MEDIUM, 5 TON, M816 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	133 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Sep 1983
Service Life	21 yrs.
Planned Exit Date	30 Dec 2004

TRUCK, WRECKER, MEDIUM, 5 TON, M936A1

TAMCN D12127K NSN 2320-01-230-0304 ID 08086A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	362 in.
Height	120 in.
Reducible Height	108.5 in.
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	36,910 lbs.
Width	97.4 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	60 mph
Highway Payload	N/A
Cross Country Payload	N/A
Passenger Capacity	2

TRUCK, WRECKER, MEDIUM, 5 TON, M936A1 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	1,139 gal.
Fuel Consumption mpg	3.5 mpg
Fuel Consumption per hour	17 gal/hr @60 mph

Acquisition Information

In Service Date	22 May 1980
Service Life	16 yrs.
Planned Exit Date	30 Dec 2004

SEMITRAILER, LOW BED, M870A1

TAMCN D02357K NSN 2330-01-224-9245 ID 07862B

DESCRIPTION AND FUNCTION

The M870Al 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 M870Al 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.

TECHNICAL CHARACTERISTICS

Dimensions

Length	510 in.
Height	72.9 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	72.9 in.
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	19,000 lbs.
Width	96 in.*

* Expandable to 120 in

Performance Information

Fording Depth	60 in.
Maximum Speed	N/A
Highway Payload	
Cross Country Payload	
Passenger Capacity	N/A

SEMITRAILER, LOW BED, M870A1 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date
Service Life
Planned Exit Date

Associated Items

MK48/MK16 LVS System

TRUCK, UTILITY, SHELTER CARRIER, M1037

TAMCN D11807K NSN 2320-01-146-7193 ID 08775A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	180 in.
Height	69 in.*****
Reducible Height	55 in.*****
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	5,178 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	85 in.

***** Without S250 Shelter

Performance Information

Fording Depth	30 in. (60 in. w/ kit)
Maximum Speed	55 mph
Highway Payload	3,600 lbs.
Cross Country Payload	3,600 lbs.
Passenger Capacity	2

TRUCK, UTILITY, SHELTER CARRIER, M1037 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Aug 1985
Service Life	19 yrs.
Planned Exit Date	30 Aug 2004

TRUCK, UTILITY, SHELTER CARRIER, M1042

TAMCN D11807K NSN 2320-01-146-7187 ID 08773A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	185 in.
Height	69 in.*****
Reducible Height	55 in.*****
Cargo Deck Height Unloaded	39 in.
Vehicle Curb Weight (includes BII)	5,178 lbs.
Gross Vehicle Weight	10,300 lbs.
Width	85 in.

***** Without S250 Shelter

Performance Information

Fording Depth	30 in. (60 in. w/ kit)
Maximum Speed	55 mph
Highway Payload	3,600 lbs.
Cross Country Payload	3,600 lbs.
Passenger Capacity	2

TRUCK, UTILITY, SHELTER CARRIER, M1042 – CONT'D

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	14 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Aug 1985
Service Life	19 yrs.
Planned Exit Date	30 Aug 2004

LUBRICATING AND SERVICING UNIT, 4AO32-11/ 4AO32-1

TAMCN	D0190	NSN	4930-01-230-0781	ID	00633E
			4930-00-935-4451		00633D
			4930-00-017-9167		00633C

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

Manufacturer: Elliott Manufacturing Company
Henry Spen Company

TECHNICAL CHARACTERISTICS

Dimensions

Length	174 in.
Height	77 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	
Gross Vehicle Weight	5,610 lbs.
Width	96 in.

Fuel Data

Type of Fuel	Gasoline
Fuel Tank Capacity	10 gal.
Fuel Consumption mpg	
Fuel Consumption per hour	1 gal/hr

LUBRICATING AND SERVICING UNIT, 4AO32-11/ 4AO32-1, - CONT'D

Acquisition Information

In Service Date	
Service Life	
Planned Exit Date	31 Dec 2010 (4AO32-11) 30 Jun 2010 (4AO32-1)

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

TAMCN	D08797K	NSN	2320-01-176-0468 2320-01-417-5296	ID	08784A 08784B

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 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 Marine Corps inventory.

Manufacturer: Oshkosh Truck Corporation

TECHNICAL CHARACTERISTICS

Dimensions

Length	240 in.
Height	96 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	96 in.
Vehicle Curb Weight (includes BII)	22,360 lbs.
Gross Vehicle Weight	47,660 lbs.
Width	96 in.

Performance Information

Fording Depth	60 in.
Maximum Speed	N/A
Highway Payload	40,000 lbs.
Cross Country Payload	25,000 lbs.
Passenger Capacity	24

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

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	31 Oct 1998
Service Life	16 yrs.
Planned Exit Date	13 Dec 2014

Associated Items

MK48/MK48A1

DOLLY SET, LIFT, M832

TAMCN D01057K NSN 2330-00-221-4939 ID 07513A

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

TECHNICAL CHARACTERISTICS

Dimensions

Length	125.5 in.*
Height	54.5 in.*
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	N/A
Gross Vehicle Weight	3,700 lbs.
Width	96 in.

* Draw bar removed

Performance Information

Fording Depth	30 in.
Maximum Speed	50 mph (highway) 20 mph (x-country)
Highway Payload	10,500 lbs.
Cross Country Payload	10,500 lbs.
Passenger Capacity	N/A

DOLLY SET, LIFT, M832 – CONT'D

Fuel Data

Type of Fuel	N/A
Fuel Tank Capacity	N/A
Fuel Consumption mpg	N/A
Fuel Consumption per hour	N/A

Acquisition Information

In Service Date	
Service Life	
Planned Exit Date	30 June 1995

TRUCK, MAINTENANCE, TELEPHONE/UTILITY, CONSTRUCTION, M876A1

TAMCN D10927K NSN 2320-01-387-5781 ID 10110A

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^{o} 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. The lower main control panel, the remote control or the upper controls at the boom tip, can control Derrick functions. 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 (Chassis)
Altec (Derrick)

TRUCK, MAINTENANCE, TELEPHONE/UTILITY, CONSTRUCTION, M876A1 – CONT'D

TECHNICAL CHARACTERISTICS

Dimensions

Length	332 in.
Height	156 in.
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	22,765 lbs.
Gross Vehicle Weight	23,365 lbs.
Width	98 in.

Performance Information

Fording Depth	60 in. w/o kit
Maximum Speed	63 mph
Highway Payload	600 lbs.
Cross Country Payload	600 lbs.
Passenger Capacity	3

Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	81 gal.
Fuel Consumption mpg	4.3 mpg
Fuel Consumption per hour	13.9 gal/hr @ 60 mph

Acquisition Information

In Service Date	1 Apr 1994
Service Life	20 yrs.
Planned Exit Date	1 Oct 2007

INDEX I

MODEL NUMBER LISTING

INDEX II

TAMCN LISTING