

**TM 11240-ODA**

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

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**PRINCIPAL TECHNICAL  
CHARACTERISTICS OF  
U.S. MARINE CORPS  
MOTOR TRANSPORTATION  
EQUIPMENT**



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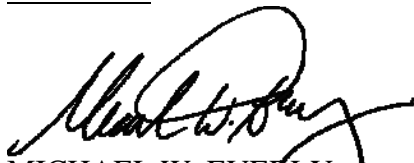
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**Section I.**

**Automotive – Light Fleet**





## MOTORCYCLE, MILITARY, M1030M1

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



### DESCRIPTION AND FUNCTION

The Military Motorcycle Replacement (MILMO), model M1030M1 is a two-wheeled, multi-fueled, dual purpose on and off road utility vehicle. The MILMO 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 KLR 650 Motorcycle.

**Manufacturer:**    Hayes Diversified Technologies

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	85 in
Width	37 in
Height	54 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	369 lbs

#### Performance Information

Fording Depth	24 in
Highway Payload	N/A
Cross Country Payload	N/A
Cab Capacity	1+1

## MOTORCYCLE, MILITARY, M1030M1 – CONT'D

### Fuel Data

Type of Fuel	Diesel/JP/Biodiesel
Fuel Tank Capacity	4.2 gal
Fuel Consumption mpg	96 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

### Special Tool Kits

TAMCN: D04722E	Tool Kit, MCM	SL-3-10028A	NSN: 5180-01-239-6707
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**TRUCK, AMBULANCE, 4-LITTER, M997A2**

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

**DESCRIPTION AND FUNCTION**

The M997A2 replaced 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
Width	86 in
Height	102 in
Reducible Height	102 in
Cargo Deck Height Unloaded	35 in
Vehicle Curb Weight (includes BII)	7,770 lbs
Gross Vehicle Weight Rating	10,300 lbs

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	2,530 lbs
Cross Country Payload	2,530 lbs
Towed Load	4,200 lbs
Cab Capacity	1+1

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

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	11 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 Oct 2020

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

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

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

**DESCRIPTION AND FUNCTION**

The M1035A2 replaced 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
Width	86 in
Height	72 in
Reducible Height	56.0 in
Cargo Deck Height Unloaded	37 in
Vehicle Curb Weight (includes BII)	6,100 lbs
Gross Vehicle Weight Rating	10,300 lbs

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	4,200 lbs
Cross Country Payload	4,200 lbs
Towed Load	4,200 lbs
Cab Capacity	1+1

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

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	11 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, UTILITY, HEAVY VARIANT/CARGO/TROOP\_CARRIER, M1123**

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

**DESCRIPTION AND FUNCTION**

The M1123 HMMWV variant replaced 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. Marine Armor Kit (MAK) can be installed on M1123, in either two or four door configurations.

**Manufacturer:**    AM General

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	182.5 in
Height	73.5 in
Reducible Height	56 in
Width	86 in
Cargo Deck Height Unloaded	37 in
Vehicle Curb Weight (includes BII)	5,850 lbs
Gross Vehicle Weight Rating	10,300 lbs

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	4,450 lbs
Cross Country Payload	4,450 lbs
Towed Load	4,200 lbs
Cab Capacity	1+1

**TRUCK, UTILITY, HEAVY VARIANT/CARGO/TROOP CARRIER, M1123- CONT'D**

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	11 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594



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

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

**DESCRIPTION AND FUNCTION**

The M1043A2 variant has been produced to replace the M1043 and M1044 variants. The M1043A2 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 vehicles provide immediate, mobile, suppressive and destructive fires in support of the maneuver unit commander. Marine Armor Kit (MAK) can be installed on the M1043A2.

**Manufacturer:**    AM General

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	182.5 in (190.5 in w/pintle)
Height	78 in
Reducible Height	N/A
Width	86 in
Cargo Deck Height Unloaded	37 in
Vehicle Curb Weight (includes BII)	7,210 lbs
Gross Vehicle Weight Rating	10,300 lbs

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	3,090 lbs
Cross Country Payload	3,090 lbs
Towed Load	4,200 lbs
Cab Capacity	1+4

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

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	11 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, UTILITY, 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 replaced 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. Marine Armor Kit (MAK) can be installed on the M1045A2.

**Manufacturer:**    AM General

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	182.5in (190.5 in w/pintle)
Height	76 in
Reducible Height	N/A
Width	86 in
Cargo Deck Height Unloaded	37 in
Vehicle Curb Weight (includes BII)	7,264 lbs
Gross Vehicle Weight Rating	10,300 lbs

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	3,036 lbs
Cross Country Payload	3,036 lbs
Towed Load	4,200 lbs
Cab Capacity	1+4

## TRUCK, TOW CARRIER, M1045A2 – CONT'D

### Fuel Data

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	11 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

### Special Tool Kits

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**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. The M1097A2 may also be configured as a troop carrier.

**Manufacturer:**    AM General

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	190.5 in
Height	74 in
Reducible Height	56 in
Width	86 in
Cargo Deck Height Unloaded	37 in
Vehicle Curb Weight (includes BII)	5,900 lbs
Gross Vehicle Weight Rating	10,300 lbs

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	4,400 lbs
Cross Country Payload	4,400 lbs
Towed Load	4,200 lbs
Cab Capacity	1+1

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

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	11 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, UTILITY, EXPANDED CAPACITY, UP-ARMORED, ARMAMENT CARRIER, M1114**

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

**DESCRIPTION AND FUNCTION**

The M1114 Up-Armored HMMWV (UAH) is an armored replacement for the M1043A2 Armament Carrier. The M1114 armor protection includes Up-Armored HMMWV (UAH) kit, FRAG kits 1, 1a, 2, and 5, as well as a GPK or MCTAGS for the gunner's protection. This up-armored package provides the occupants with ballistic protection through a full 360°, in addition to overhead and under body blast protection. 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
Height (w/GPK)	94.25 in
Height (w/MCTAGS)	105.38 in
Reducible Height	N/A
Width	90.5 in
Cargo Deck Height Unloaded	36.5 in
Vehicle Curb Weight (includes BII)	9,800 lbs w/UAH
Gross Vehicle Weight Rating	12,140 lbs w/UAH, FRAG 1/1a, 2 & 5 and MCTAGS
	12,100 lbs
	-40 lbs w/ UAH, FRAG 1/1a, 2 & 5 and MCTAGS
Towed Load	4,200 lbs
Cab Capacity	1+4

**TRUCK, UTILITY, EXPANDED CAPACITY, UP-ARMORED, ARMAMENT CARRIER, M1114 –  
CONT'D**

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	2,300 lbs
Cross Country Payload	2,300 lbs w/UAH

**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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594



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

TAMCN    D00307K        NSN        2320-01-540-2038        ID        11301B



**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. The A1 model designator represents the fact it has Integrated Armor Package (IAP) installed, commonly referred to as "Underbody," and features the flexibility of adding FRAG Kits 1,1a, 2, and 5 and B Kit.

**Manufacturer:**    AM General

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	194 in
Height	80 in
Height (w/GPK)	96.55 in
Height (w/MCTAGS)	107.68 in
Reducible Height	73 in
Width	91 in
Cargo Deck Height Unloaded	35.3 in
Vehicle Curb Weight (includes BII)	10,300 lbs w/B1
	12,400 lbs w/B1, FRAG 1/1a, 2 & 5, and MCTAGS
Gross Vehicle Weight Rating	12,100 lbs

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

**Performance Information**

Fording Depth	30in (60 in w/kit)
Highway Payload	1,800 lbs
Cross Country Payload	1,800 lbs w/B1
	-300 lbs w/B1, FRAG 1/1a, 2 & 5 and MCTAGS
Towed Load	4,200 lbs
Cab Capacity	1+4

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	10 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, UTILITY, EXPANDED CAPACITY, ENHANCED, M1152**

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

**DESCRIPTION AND FUNCTION**

The M1152 is a 2-door vehicle designed to replace the M1037/M1042 and M1097A2 variants. The M1152 can be configured as a cargo/troop carrier or as a shelter carrier. The M1152 is an un-armored HMMWV.

**Manufacturer:** AM General

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	194 in
Width	86 in
Height	76 in
Reducible Height	N/A
Cargo Deck Height Unloaded	39 in
Vehicle Curb Weight (includes BII)	6,400 lbs
Gross Vehicle Weight Rating	12,100 lbs

**Performance Information**

Fording Depth	30 in. (60 in. w/kit)
Highway Payload	5,700 lbs
Cross Country Payload	5,700 lbs
Towed Load	4,200 lbs
Cab Capacity	1+1

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	10 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

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

TAMCN    D00337K        NSN        2320-01-540-2007        ID        11468A



**DESCRIPTION AND FUNCTION**

The M1152A1 can 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. Provides the capability to secure and transport the S250 electrical equipment shelter. The A1 model designator represents the fact it has Integrated Armor Package (IAP) installed, commonly referred to as "Underbody," and has the flexibility of adding a B2 Armor kit with FRAG Kits 1, 1a, 2 and 5.

**Manufacturer:**    AM General

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	194 in
Height	75 in
Reducible Height	N/A
Width	90.5 in
Cargo Deck Height Unloaded	37.6 in
Vehicle Curb Weight	8,760 lbs w/B2
	9,670 lbs w/B2 and FRAG 1/1a, 2 & 5
Gross Vehicle Weight Rating	12,100 lbs

**Performance Information**

Fording Depth	30 in. (60 in. w/kit)
Highway Payload	3,340 lbs w/B2
	2,430 lbs w/B2 and FRAG 1/1a, 2 & 5
Cross Country Payload	3,340 lbs w/B2
	2,430 lbs w/B2 and FRAG 1/1a, 2 & 5
Towed Load	4,200 lbs
Cab Capacity	1+1

**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 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

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

D00317K

NSN

2320-01-540-1993

ID

11285B

**DESCRIPTION AND FUNCTION**

The M1165 Base Model Expanded Capacity Vehicle is an upgrade from the M998/M1038 and the M1123. The M1165 Base Model is a Marine Force Special Operations Command (MARFORSOC) configured armored/unarmored four-door Command Variant Vehicle.

**Manufacturer:** AM General

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	194 in
Width	86 in
Height	76.25 in
Reducible Height	N/A
Cargo Deck Height Unloaded	39 in
Vehicle Curb Weight (includes BII)	6,550 lbs
Gross Vehicle Weight Rating	12,100 lbs

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	4950 lbs
Cross Country Payload	4950 lbs
Towed Load	4,200 lbs
Cab Capacity	1+3

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

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	10 mpg
Fuel Consumption per hour	5.85 gal/hr @ 60 mph

**Acquisition Information**

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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594



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

TAMCN    D00347K        NSN        2320-01-540-2017        ID        11482A



**DESCRIPTION AND FUNCTION**

The M1165A1 combines the M1097A2 four-door body with the M1113 ECV Chassis and is used as a Command and Control/General Purpose Vehicle. 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.” The M1165A1 may be configured with the B3 Armor kit, in addition to, FRAG 1, 1a, 2, and 5 kits.

**Manufacturer:**    AM General

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	194 in
Width	90.8 in
Height	75 in w/B3 and/or B3 and FRAG 1/1a, 2 & 5
Reducible Height	N/A
Cargo Deck Height Unloaded	36.3 in
Vehicle Curb Weight	9,870 lbs w/B3
	11,360 lbs w/B3 and FRAG 1/1a, 2 & 5
Gross Vehicle Weight Rating	12,100 lbs

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

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	2,230 lbs w/B3
	740 lbs w/B3 and FRAG 1/1a, 2 & 5
Cross Country Payload	2,230 lbs w/B3
	740 lbs w/B3 and FRAG 1/1a, 2 & 5
Towed Load	4,200 lbs
Cab Capacity	1+3

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	10 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, UTILITY, EXPANDED CAPACITY, TOW CARRIER, ARMORED, M1167**

TAMCN D00327K      NSN 2320-01-544-9638      ID TBD

**DESCRIPTION AND FUNCTION**

The M1167 Tube-Launched, Optical-Tracked, Wire-Guided (TOW) missile variant replaced the M1045A2 and the M1046 HMMWV variants. It provides ground mobility for the TOW or SABER missile system giving commanders a more flexible and time sensitive, medium to long range, anti-armor capability.

**Manufacturer:** AM General

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	194 in
Width	91 in
Height	80 in
Height (w/TGPK)	102 in
Reducible Height	N/A
Cargo Deck Height Unloaded	35.2 in
Vehicle Curb Weight (includes BII)	11,250 lbs
Gross Vehicle Weight Rating	13,100 lbs

**Performance Information**

Fording Depth	30in (60 in w/kit)
Highway Payload	1,850 lbs
Cross Country Payload	1,850 lbs w/B1
Towed Load	4,200 lbs
Cab Capacity	1+4

**TRUCK, UTILITY, EXPANDED CAPACITY, TOW CARRIER, ARMORED, M1167 – CONT'D**

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	25 gal
Fuel Consumption mpg	10 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, UTILITY: INTERNALLY TRANSPORTABLE VEHICLE, LIGHT STRIKE VARIANT  
(ITV-LSV), M1161**

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



**DESCRIPTION AND FUNCTION**

The Internally Transportable Vehicle program has been developed to field a family of light attack vehicles in support of expeditionary forces. The ITV-LSV will replace the Interim Fast Attack Vehicle (IFAV) as well as fill the tactical void created by the disposal of all M151 Jeep variants. The ITV is designed to be internally transportable within both the MV-22 tilt-rotor aircraft and CH53D/E rotary wing aircraft.

**Manufacturer:** General Dynamic- Ordnance and Tactical Systems / American Growler

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	164 in
Width	59.50 in
Height	74.5 in
Reducible Height	59 in
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	4,750 lbs
Gross Vehicle Weight Rating	6,750 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	2,000 lbs
Cross Country Payload	2,000 lbs
Cab Capacity	1+3

**TRUCK, UTILITY: INTERNALLY TRANSPORTABLE VEHICLE, LIGHT STRIKE VARIANT  
(ITV-LSV), M1161 - CONT'D**

**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

**Acquisition Information**

In Service Date	June 2009
Service Life	10 yrs
Planned Exit Date	Feb. 2019

**Special Tool Kits**

TAMCN: D00292E	Internally Transportable Vehicle (ITV) Special Tool Kit	TBD	NSN: TBD
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**TRUCK, UTILITY: INTERNALLY TRANSPORTABLE VEHICLE, PRIME MOVER (ITV-PM), M1163**

TAMCN      D11627K      NSN      2320-01-531-7659      ID      11172A



**DESCRIPTION AND FUNCTION**

The Internally Transportable Vehicle Prime Mover (ITV-PM) supports the Expeditionary Fire Support System (EFSS). The ITV-PM is the designated prime mover for the 120MM Rifle Towed Mortar (RTM) and the M1164 Ammunition Trailer.

**Manufacturer:**      General Dynamic- Ordnance and Tactical Systems / American Growler

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	121.2 in
Width	59 in
Height	74.5 in
Reducible Height	57.6 in
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	3960 lbs
Gross Vehicle Weight Rating	5960 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	2,000 lbs
Cross Country Payload	2,000 lbs
Cab Capacity	1+1 (Mortar Variant) / 1+2 (Trailer Variant)

**TRUCK, UTILITY: INTERNALLY TRANSPORTABLE VEHICLE, PRIME MOVER (ITV-PM),  
M1163- CONT'D**

**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

**Acquisition Information**

In Service Date	June 2009
Service Life	10 yrs
Planned Exit Date	Feb. 2019

**Special Tool Kits**

TAMCN: D00292E	Internally Transportable Vehicle (ITV) Special Tool Kit	TBD	NSN: TBD
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## **Section II.**

### **Automotive – Medium Fleet**



**TRUCK, CARGO, 7 TON, MK23/MK25, MK23A1/MK25A1**

<u>TAMCN</u>	D01987K	<u>NSN</u>	2320-01-465-2174	<u>ID</u>	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 Medium Tactical Vehicle Replacement (MTVR) family of trucks replaced the M813A1, M923A1, M923A2, M925, M925A1, M813 with ISO Bed and the M923 with ISO Bed. The MTVR variants 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 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 at its maximum cross country load. 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/MK25A1 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 MK23/MK25 to satisfy (T/E) allowances.

**Manufacturer:** Oshkosh Truck Corporation

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>MK23</b>	<b>MK25</b>	<b>MK23A1 (RTAA)</b>	<b>MK25A1 (RTAA)</b>
Length	314.9 in	314.9 in	314.9 in	314.9 in
Width	98 in	98 in	98 in	98 in
Height (operational)	141.2 in	141.2 in	141.2 in	141.2 in
Reducible Height	98 in	98 in	98 in	98 in
Ground Clearance				
Highway	16.7 in	16.7 in	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	27,753 lbs	28,642 lbs	27,900 lbs	29,100 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs	62,200 lbs	62,200 lbs

**TRUCK, CARGO, 7 TON, MK23/MK25, MK23A1/MK25A1 – CONT'D**

<b>Performance Information</b>	<b>MK23</b>	<b>MK25</b>	<b>MK23A1 (RTAA)</b>	<b>MK25A1 (RTAA)</b>
Fording Depth	60 in	60 in	60 in	60 in
Highway Payload	30,000 lbs	30,000 lbs	30,000 lbs	30,000 lbs
Cross Country Payload	14,200 lbs	14,200 lbs	14,200 lbs	14,200 lbs
Towed Load	22,000 lbs	22,000 lbs	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2	1+2	1+2

**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

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390

**TRUCK, CARGO, 7 TON, ARMORED, W/O WINCH, AMK23/AMK23A1**

<u>TAMCN</u>	D00037K	<u>NSN</u>	2320-01-530-5676	<u>ID</u>	10629C
			2320-01-552-0273		10629F



**DESCRIPTION AND FUNCTION**

The AMK23 is the MK23/MK23A1 with non-reducible MTRV Armor System (MAS) installed. The AMK23A1 is the MK23/MK23A1 with reducible MAS installed. Reducible MAS is reducible to a height of 98 in, and was designed to meet the height restrictions aboard naval ships. The MAS kits are designed for the 7-ton MTRV. The kits provide complete 360-degree protection as well as overhead and underbody protection for the crew compartment. A Troop Carrier is available as an option for either kit.

**Manufacturer:** Oshkosh Truck Corporation

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>AMK23</b>	<b>AMK23A1 (Reducible MAS)</b>
Length	314.9 in	314.9 in
Width	98 in	98 in
Height	141.2 in	141.2 in
Reducible Height	N/A	98 in
Ground Clearance		
Highway	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in
Vehicle Curb Weight	33,000 lbs	33,800 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs
<b>Performance Information</b>		
Fording Depth	60 in	60 in
Highway Payload	24,400 lbs	24,400 lbs
Cross Country Payload	12,000 lbs	12,000 lbs
Towed Load	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2

**TRUCK, CARGO, 7 TON, ARMORED, W/O WINCH, AMK23/AMK23A1 – 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 Oct 2001
Service Life	22 yrs
Planned Exit Date	30 Oct 2023

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390

**TRUCK, CARGO, 7 TON, ARMORED, W/WINCH, AMK25/AMK25A1**

<u>TAMCN</u>	D00047K	<u>NSN</u>	2320-01-530-5677	<u>ID</u>	10629D
			2320-01-551-9433		10629E



**DESCRIPTION AND FUNCTION**

The AMK25 is the MK25/MK25A1 with non-reducible MAS installed. The AMK25A1 is the MK25/MK25A1 with reducible MAS installed. Reducible MAS is reducible to a height of 98 in. It was designed to meet the height restrictions aboard naval ships. The MAS kits are designed for the 7-ton MTRV. The kits provide complete 360-degree protection as well as overhead and underbody protection for the crew compartment. A Troop Carrier is available as an option for either kit.

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>AMK25</b>	<b>AMK25A1 (Reducible MAS)</b>
Length	314.9 in	314.9 in
Width	98 in	98 in
Height	141.2 in	141.2 in
Reducible Height	N/A	98 in
Ground Clearance		
Highway	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	34,200 lbs	35,000 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs
<b>Performance Information</b>		
Fording Depth	60 in	60 in
Highway Payload	24,400 lbs	24,400 lbs
Cross Country Payload	12,000 lbs	12,000 lbs
Towed Load	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2

**TRUCK, CARGO, 7 TON, ARMORED, W/WINCH, AMK25/AMK25A1 – 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 Oct 2001
Service Life	22 yrs
Planned Exit Date	30 Oct 2023

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390



**TRUCK, CARGO, 7 TON, EXTENDED BED (XL), MK27/28, MK27A1/MK28A1**

<u>TAMCN</u>	D10627K	<u>NSN</u>	2320-01-465-2180	<u>ID</u>	10631A
			2320-01-465-2182		10631B
			2320-01-556-2617		10631J
			2320-01-553-3395		10631H



**DESCRIPTION AND FUNCTION**

The MK27/MK28 Extra Long Wheel Base Cargo variant of the MTRV family replaced the M814, M927, M927A1, M928 and the M928A1. The MK27/MK28 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 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 with its maximum cross country load. The MK27/MK28 variants are capable of being transported by highway, rail, sea and air. The MK27A1/ MK28A1 are the “ready to accept armor (RTAA)” versions of the MK27/MK28, which include upgraded cab mounts, armored flooring, upgraded suspension, and air conditioning. The MK27A1/MK28A1 are not considered to be armored vehicles, and are interchangeable with the MK27/MK28 for (T/E) allowances

**Manufacturer:** Oshkosh Truck Corporation

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>MK27 (w/o winch)</b>	<b>MK28 (w/winch)</b>	<b>MK27A1 (w/o winch)</b>	<b>MK28A1 (w/o winch)</b>
Length	386.5 in	386.5 in	386.5 in	386.5 in
Width	98 in	98 in	98 in	98 in
Height	141.2 in	141.2 in	141.2 in	141.2 in
Reducible Height	98 in	98 in	98 in	98 in
Ground Clearance				
Highway	16.7 in	16.7 in	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	30,067 lbs	30,955 lbs	30,600 lbs	31,700 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs	62,200 lbs	62,200 lbs

**TRUCK, CARGO, 7 TON, EXTENDED BED (XL), MK27/28, MK27A1/MK28A1 – CONT'D**

<b>Performance Information</b>	<b>MK27 (w/o winch)</b>	<b>MK28 (w/winch)</b>	<b>MK27A1 (w/o winch)</b>	<b>MK28A1 (w/winch)</b>
Fording Depth	60 in	60 in	60 in	60 in
Highway Payload	30,000 lbs	30,000 lbs	30,000 lbs	30,000 lbs
Cross Country Payload	14,200 lbs	14,200 lbs	14,200 lbs	14,200 lbs
Towed Load	22,000 lbs	22,000 lbs	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2	1+2	1+2

**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

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390

**TRUCK, CARGO, 7 TON, ARMORED, W/O WINCH, AMK27/AMK27A1**

<u>TAMCN</u>	D00057K	<u>NSN</u>	2320-01-530-5678	<u>ID</u>	10631D
			2320-01-552-2762		10631G



**DESCRIPTION AND FUNCTION**

The AMK27 is the MK27/MK27A1 with non-reducible MAS installed. The AMK27A1 is the MK27/MK27A1 with reducible MAS installed. The AMK27A1 also features an extra long wheel base. Reducible MAS is reducible to a height of 98 in, and was designed to meet the height restrictions aboard naval ships. The MAS kits are designed for the 7-ton MTVR. The kits provide complete 360-degree protection as well as overhead and underbody protection for the crew compartment.

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>AMK27</b>	<b>AMK27A1 (Reducible)</b>
Length	386.5 in	386.5 in
Width	98 in	98 in
Height	141.2 in	141.2 in
Reducible Height	N/A	98 in
Ground Clearance		
Highway	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	35,700 lbs	36,400 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs
 <b>Performance Information</b>		
Fording Depth	60 in	60 in
Highway Payload	24,400 lbs	24,400 lbs
Cross Country Payload	12,000 lbs	12,000 lbs
Towed Load	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2

**TRUCK, CARGO, 7 TON, ARMORED, W/O WINCH, AMK27/AMK27A1 – 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	31 Dec 2002
Service Life	22 yrs
Planned Exit Date	30 Oct. 2023

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390

**TRUCK, CARGO, 7 TON, ARMORED, W/WINCH, AMK28/AMK28A1**

<u>TAMCN</u>	D00067K	<u>NSN</u>	2320-01-530-5681	<u>ID</u>	10631E
			2320-01-551-9434		10631F



**DESCRIPTION AND FUNCTION**

The AMK28 is the MK28/MK28A1 with non-reducible MAS installed; additionally, the AMK28 has a winch and an extra long wheel base. The AMK28A1 is the MK28/MK28A1 with reducible MAS installed, a winch and an extra long wheel base. Reducible MAS is reducible to a height of 98 in, and was designed to meet the height restrictions aboard naval ships. The MAS kits are designed for the 7-ton MTVR. The kits provide complete 360-degree protection as well as overhead and underbody protection for the crew compartment.

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>AMK28</b>	<b>AMK28A1 (Reducible)</b>
Length	386.5 in	386.5 in
Width	98 in	98 in
Height	141.2 in	141.2 in
Reducible Height	N/A	98 in
Ground Clearance		
Highway	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	36,800 lbs	37,500 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs

**Performance Information**

Fording Depth	60 in	60 in
Highway Payload	24,400 lbs	24,400 lbs
Cross Country Payload	12,000 lbs	12,000 lbs
Towed Load	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2

**TRUCK, CARGO, 7 TON, ARMORED, W/WINCH, AMK28/AMK28A1 – 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	31 Dec 2002
Service Life	22 yrs
Planned Exit Date	30 Oct 2023

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390

**TRUCK, DUMP, 7 TON, MK29/30, MK29A1/MK30A1**

<u>TAMCN</u>	D10737K	<u>NSN</u>	2320-01-465-2186	<u>ID</u>	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 replaced 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 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 with its maximum cross country load, 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/MK30A1 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 MK29/MK30 to satisfy (T/E) allowances.

**Manufacturer:** Oshkosh Truck Corporation

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>MK 29</b>	<b>MK30</b>	<b>MK 29A1 (RTAA)</b>	<b>MK30A1 (RTAA)</b>
Length	315.4 in	315.4 in	315.4 in	315.4
Width	96 in	96 in	96 in	96 in
Height	135.5 in	135.5 in	135.5 in	135.5 in
Reducible Height	98 in	98 in	98 in	98 in
Ground Clearance				
Highway	16.7 in	16.7 in	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	30,400 lbs	31,300 lbs	31,800 lbs	32,500 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs	62,200 lbs	62,200 lbs

**TRUCK, DUMP, 7 TON, MK29/30, MK29A1/MK30A1 – CONT'D**

**TECHNICAL CHARACTERISTICS**

<b>Performance Information</b>	<b>MK 29</b>	<b>MK30</b>	<b>MK 29A1 (RTAA)</b>	<b>MK30A1 (RTAA)</b>
Fording Depth	60 in	60 in	60 in	60 in
Highway Payload	28,000 lbs	28,000 lbs	28,000 lbs	28,000 lbs
Cross Country Payload	12,200 lbs	12,200 lbs	12,200 lbs	12,200 lbs
Towed Load	22,000 lbs	22,000 lbs	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2	1+2	1+2

**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

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390
D00102B	Tool Kit, IM, F/MTVR Dump & Wrecker, 7 T		5180-01-520-4069
D00122B	Tool Kit, OM, F/MTVR Dump & Wrecker, 7T		5180-01-520-4070



**TRUCK, DUMP, 7 TON, ARMORED, W/O WINCH, AMK29/AMK29A1**

<u>TAMCN</u>	D00077K	<u>NSN</u>	2320-01-530-5684	<u>ID</u>	10632C
			2320-01-552-0250		10632E



**DESCRIPTION AND FUNCTION**

The AMK29 is MK29/MK29A1 with non-reducible MAS installed. The AMK29A1 is MK29/MK29A1 with reducible MAS installed. Reducible MAS is reducible to a height of 98 in, and was designed to meet the height restrictions aboard naval ships. The MAS kits are designed for the 7-ton MTRV. The kits provide complete 360-degree protection as well as overhead and underbody protection for the crew compartment.

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>AMK29</b>	<b>AMK29A1 (Reducible)</b>
Length	315.4 in	315.4 in
Width	96 in	96 in
Height	135.5 in	135.5 in
Reducible Height	N/A	98 in
Ground Clearance		
Highway	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	37,200 lbs	37,200 lbs
Gross Vehicle Weight Rating	62,600 lbs	62,200 lbs
 <b>Performance Information</b>		
Fording Depth	60 in	60 in
Highway Payload	23,200 lbs	23,200 lbs
Cross Country Payload	10,800 lbs	10,800 lbs
Towed Load	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2

**TRUCK, DUMP, 7 TON, ARMORED, W/O WINCH, AMK29/AMK29A1 – 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 Oct 2004
Service Life	22 yrs
Planned Exit Date	30 Oct 2023

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390
D00102B	Tool Kit, IM, F/MTVR Dump & Wrecker, 7 T		5180-01-520-4069
D00122B	Tool Kit, OM, F/MTVR Dump & Wrecker, 7T		5180-01-520-4070

**TRUCK, DUMP, 7 TON, ARMORED, W/ WINCH, AMK30/AMK30A1**

<u>TAMCN</u>	D00087K	<u>NSN</u>	2320-01-530-5685	<u>ID</u>	10632D
			2320-01-552-0269		11448A



**DESCRIPTION AND FUNCTION**

The AMK30 is MK30/MK30A1 with non-reducible MAS installed. The AMK30A1 is MK30/MK30A1 with reducible MAS installed. Both the AMK30 and AMK30A1 have a winch. Reducible MAS is reducible to a height of 98 in, and was designed to meet the height restrictions aboard naval ships. The MAS kits are designed for the 7-ton MTVR. The kits provide complete 360-degree protection as well as overhead and underbody protection for the crew compartment.

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>AMK30</b>	<b>AMK30A1 (Reducible)</b>
Length	315.4 in	315.4 in
Width	96 in	96 in
Height	135.5 in	135.5 in
Reducible Height	N/A	98 in
Ground Clearance		
Highway	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	38,000lbs	38,000 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs
 <b>Performance Information</b>		
Fording Depth	60 in	60 in
Highway Payload	23,200 lbs	23,200 lbs
Cross Country Payload	10,800 lbs	10,800 lbs
Towed Load	22,000 lbs	22,000 lbs
Cab Capacity	1+2	1+2

**TRUCK, DUMP, 7 TON, ARMORED, W/ WINCH, AMK30/AMK30A1 – 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 Oct 2004
Service Life	22 yrs
Planned Exit Date	30 Oct 2023

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390
D00102B	Tool Kit, IM, F/MTVR Dump & Wrecker, 7 T		5180-01-520-4069
D00122B	Tool Kit, OM, F/MTVR Dump & Wrecker, 7T		5180-01-520-4070

## TRUCK, TRACTOR, 7 TON, MK31/MK31A1

<u>TAMCN</u>	D00097K	<u>NSN</u>	2320-01-530-5693	<u>ID</u>	11165A
			2320-01-552-0403		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 equipped with all wheel steering and a sliding 5<sup>th</sup> 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

<b>Dimensions</b>	<b>MK31</b>	<b>MK31A1 (RTAA)</b>
Length	296 in	296 in
Width	98 in	98 in
Height	141 in	141 in
Reducible Height	98 in	98 in
Ground Clearance		
Highway	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	27,200 lbs	27,200 lbs
Gross Vehicle Weight Rating	62,000 lbs	62,000 lbs

### Performance Information

Fording Depth	60 in	60 in.
Highway Payload (includes Semitrailer)	94,000 lbs	94,000 lbs
Cross Country Payload (includes Semitrailer)	67,000 lbs	67,000 lbs
Highway Kingpin Load	32,000 lbs	32,000 lbs
Cross Country Kingpin Load	N/A	N/A
Cab Capacity	1+2	1+2

TRUCK, TRACTOR, 7 TON, MK31/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

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390

**TRUCK, TRACTOR, 7 TON, ARMORED, AMK31/AMK31A1**

<u>TAMCN</u>	D00137K	<u>NSN</u>	2320-01-530-5687	<u>ID</u>	11165C
			2320-01-552-0282		11165D



**DESCRIPTION AND FUNCTION**

The AMK31 is MK31/MK31A1 with non-reducible MAS installed. The AMK31A1 is MK31A1 with reducible MAS installed. Reducible MAS is reducible to a height of 98 in, and was designed to meet the height restrictions aboard naval ships. The MAS kits are designed for the 7-ton MTRV. The kits provide complete 360-degree protection as well as overhead and underbody protection for the crew compartment.

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>AMK31</b>	<b>AMK31A1 (Reducible)</b>
Length	296 in	296 in
Width	98 in	98 in
Height	141 in	141 in
Reducible Height	N/A	98 in
Ground Clearance		
Highway	16.7 in	16.7 in
Cross Country	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	32,800 lbs	32,800 lbs
Gross Vehicle Weight Rating	62,000 lbs	62,000 lbs
<b>Performance Information</b>		
Fording Depth	60 in	60 in
Highway Payload (includes Semitrailer)	94,000 lbs	94,000 lbs
Cross Country Payload (includes Semitrailer)	67,000 lbs	67,000 lbs
Highway Kingpin Load	28,500 lbs	28,500 lbs
Cross Country Kingpin Load	22,500 lbs	22,500 lbs
Cab Capacity	1+2	1+2

**TRUCK, TRACTOR, 7 TON, ARMORED, AMK31/AMK31A1 – 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

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390



## TRUCK, WRECKER, 7 TON, MK36

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 capable of traversing a 60% grade, a 30% side slope up to 15mph, and 40% side slope up to 5 mph. The MK36 is able to lift and tow or flat tow 7-ton size vehicles and smaller (HMMWV, light strike vehicle, etc.) with trailers without damage to either the towed or towing vehicle.

**Manufacturer:** Oshkosh Truck Corporation

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	387 in
Width	98 in
Height	141 in
Reducible Height	104 in
Ground Clearance	
Highway	16.7 in
Cross Country	16.2 in
Vehicle Curb Weight (includes BII)	49,100 lbs
Gross Vehicle Weight Rating	63,500 lbs

**TRUCK, WRECKER, 7 TON MK36 – CONT'D**

**Performance Information**

Fording Depth	60 in
Crane Lift Capacity	22,000 lbs @ 9 ft 3,960 lbs @ max reach of 31 ft
Flat Tow Highway	61,100 lbs
Flat Tow Cross Country	48,800 lbs
Lift and Tow	48,800 lbs. GVW w/14,000 lb. lift capacity
Self Recovery Winch Capacity	25,000 lbs
Main Recovery Winch Capacity	Two @ 35,000 lbs each
Cab Capacity	1+2

**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

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390
D00102B	Tool Kit, IM, F/MTVR Dump & Wrecker, 7 T		5180-01-520-4069
D00122B	Tool Kit, OM, F/MTVR Dump & Wrecker, 7T		5180-01-520-4070

## TRUCK, WRECKER, 7 TON, ARMORED, AMK36

TAMCN D00157K NSN 2320-01-530-5691 ID 10633B  
2320-01-552-0268 10633C



### DESCRIPTION AND FUNCTION

The AMK36 is an MK36 with MAS kits installed. The MAS kits are designed for the 7-ton MTRV. The kits provide complete 360-degree protection as well as overhead and underbody protection for the crew compartment.

### TECHNICAL CHARACTERISTICS

#### Dimensions

#### AMK36

Length	387 in
Height	141 in
Reducible Height	125 in
Ground Clearance	
Highway	16.7 in
Cross Country	16.2 in
Width	98 in
Vehicle Curb Weight (includes BII)	54,000 lbs
Gross Vehicle Weight Rating	69,750 lbs

#### Performance Information

Fording Depth	60 in
Crane Lift Capacity	22,000 lbs @ 9 ft 3,960 lbs @ max reach of 31 ft
Flat Tow Highway	61,100 lbs
Flat Tow Cross Country	48,800 lbs
Lift and Tow	48,800 lbs GVW w/14,000 lb lift capacity
Cab Capacity	1+2

**TRUCK, WRECKER, 7 TON, ARMORED, AMK36- 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 Oct 2004
Service Life	22 yrs
Planned Exit Date	30 Oct 2026

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390
D00102B	Tool Kit, IM, F/MTVR Dump & Wrecker, 7 T		5180-01-520-4069
D00122B	Tool Kit, OM, F/MTVR Dump & Wrecker, 7T		5180-01-520-4070

**TRUCK, CARGO, RE-SUPPLY F/HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS),  
MK37/ MK37A1/AMK37A1**

<u>TAMCN</u>	D10637K	<u>NSN</u>	2320-01-504-5218	<u>ID</u>	10920A
			2320-01-553-0136		10920B
			2320-01-564-0834		10920C



**DESCRIPTION AND FUNCTION**

The MTRV 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 MK37 is capable of traversing a 60% grade, a 30% side slope up to 15mph, and 40% side slope up to 5 mph with two MFOM pods loaded. 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. The MK37A1 is an MK37 that is Ready To Accept Armor (RTAA) and the AMK37A1 is an armored variant.

**Manufacturer:** Oshkosh Truck Corporation

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>MK37</b>	<b>MK37A1</b>	<b>AMK37A1</b>
Length	360 in	360 in	360 in
Width	98 in	98 in	98 in
Height	142 in	142 in	142 in
Reducible Height	98 in	98 in	N/A
Ground Clearance			
Highway	16.7 in	16.7 in	16,7 in
Cross Country	16.2 in	16.2 in	16.2 in
Vehicle Curb Weight (includes BII)	34,400 lbs	34,400 lbs	38,800 lbs
Gross Vehicle Weight Rating	62,200 lbs	62,200 lbs	62,200 lbs

**TRUCK, CARGO, RE-SUPPLY F/HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS),  
MK37/ MK37A1/AMK37A1 – CONT'D**

**Performance Information**

Fording Depth	60 in	60 in	60 in
Highway Payload	22,000 lbs	22,000 lbs	20,800 lbs
Cross Country Payload	11,200 lbs	11,200 lbs	10,400 lbs
Cab Capacity	1+2	1+2	1+2

**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

**Special Tool Kits**

TAMCN: D07512E	Tool Kit, OM, 2D ECH, F/TRK, 7T	TM 10629-CD	NSN: 5180-01-477-2399
D07522E	Tool Kit, OM, 3D ECH, F/TRK, 7T	TM 10629-CD	5180-01-477-2390

**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****Dimensions**

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

**Performance Information**

Fording Depth	N/A
Maximum Speed	65 mph
Highway Payload	N/A
Cross Country Payload	N/A
Cab Capacity	1+3

**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

**Special Tool Kits**

TAMCN: D04612E	Tool Kit, FM, 3D ECH	TM 08674A-24/3	NSN: 5180-01-249-7985
D04622E	Tool Kit, FM, 4 <sup>th</sup> ECH	TM 08674A-24/3	5180-01-249-7986

**POWER UNIT, FRONT, 12 1/2 TON, MK48/MK48A1, MOD 0**

<u>TAMCN</u>	D02097K	<u>NSN</u>	2320-01-177-5167	<u>ID</u>	08780A
			2320-01-417-3180		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. Improvements to the MK48A1 variant include a revised battery box and cover, a modified air intake cover, and added handles and steps to the top of the power unit. The low profile, cab-forward configuration of the MK48/48A1 permits loading aboard military aircraft with no preparation when coupled to any of the driven Rear Body Unit (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
Width	96 in
Height	102 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	25,300 lbs
Gross Vehicle Weight Rating	Varied dependant on RBU

**Performance Information**

Fording Depth	60 in
Highway Payload	N/A
Cross Country Payload	N/A
Cab Capacity	1+1

**POWER UNIT, FRONT, 12 1/2 TON, 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

**Special Tool Kits**

TAMCN: D04782E	Tool Kit, OM, 2D ECH, LVS	TM 08780B-24P	NSN: 5180-01-247-1046
D04602E	Tool Kit, FM, 3D ECH, LVS	TM 08780B-24P	5180-01-246-8663
D04652E	Tool Kit, FM, 4 <sup>th</sup> ECH LVS	TM 08780B-24P	5180-01-248-3024

**TRAILER, POWERED, 22 1/2 TON, CONTAINER HAULER, MK14/MK14A1 MOD 0**

<u>TAMCN</u>	D08767K	<u>NSN</u>	2320-01-176-0469	<u>ID</u>	08781A
			2320-01-417-5294		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 MK14A1 variant has brake improvements, to include self-adjusting slack adjusters. The primary mission of the MK14 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
Width	96 in
Height	61 in
Reducible Height	N/A
Cargo Deck Height Unloaded	61 in
Vehicle Curb Weight (includes BII)	16,000 lbs
Gross Vehicle Weight Rating	61,000 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	45,000 lbs
Cross Country Payload	25,000 lbs
Cab Capacity	N/A

**TRAILER, POWERED, 22 1/2 TON, CONTAINER HAULER, MK14/MK14A1 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

**Special Tool Kits**

**TRAILER, POWERED, WRECKER/RECOVERY, MK15/MK15A1 MOD 0**

<u>TAMCN</u>	D08777K	<u>NSN</u>	2320-01-176-6928	<u>ID</u>	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 MTRV family of vehicles. Lifting of a vehicle is accomplished by utilizing an A-frame attached to the rear of the MK15/15A1 and the associated tow bar. The MK15/15A1 is equipped with a Material Handling Crane (MHC) used for removing power packs and loading equipment and standardized containers. The MK15 is equipped with a knuckle boom crane and the MK15A1 is equipped with a folding telescoping boom crane. An auxiliary hydraulic circuit in the vehicle provides power for hydraulic tools and can also be used to supply another RBU (MK15, MK16, MK17, MK18 or their A1 counterparts) with hydraulics. The MK15/15A1 has an electrically operated hydraulic remote control unit allowing operation of the crane and winch from a distance. The MK15A1 also has a remote control stowage unit for the MCH, and a Boom Angle Indicator which displays the angle of the MHC boom during operation.

**Manufacturer:** Oshkosh Truck Corporation

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	228 in
Width	96 in
Height	140 in
Reducible Height	96 in
Cargo Deck Height Unloaded	94 in (MK 15)
	100.9 in (MK 15A1)
Vehicle Curb Weight (includes BII)	28,000 lbs
Gross Vehicle Weight Rating	48,000 lbs

**TRAILER, POWERED, WRECKER/RECOVERY, MK15/MK15A1 MOD 0- CONT'D**

**Performance Information**

Fording Depth	60 in
Highway Payload	20,000 lbs
Cross Country Payload	20,000 lbs
Cab 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

**Special Tool Kits**



**TRAILER, POWERED, FIFTH WHEEL, SEMI-TRAILER ADPATER, MK16/MK16A1 MOD 0**

<u>TAMCN</u>	D08787K	<u>NSN</u>	2320-01-176-0467	<u>ID</u>	08783A
			2320-01-417-5293		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. The MK16A1 variant has fifth wheel support blocks, which are used to support the fifth wheel when disconnecting from the trailer. 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 cross-country mobility of the MK16/16A1 is limited by the mobility of the trailer and equipment it tows.

**Manufacturer:** Oshkosh Truck Corporation

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	195 in
Width	96 in
Height	86 in
Reducible Height	N/A
Cargo Deck Height Unloaded	87 in
Vehicle Curb Weight (includes BII)	16,200 lbs
Gross Vehicle Weight Rating	62,200 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	46,000 lbs
Cross Country Payload	N/A
Cab Capacity	N/A

**TRAILER, POWERED, FIFTH WHEEL, SEMI-TRAILER ADAPTER, 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

**Special Tool Kits**

**TRAILER, SELF-LOADING, 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 of up to 40 ft. in either container or bridge mode.

**Manufacturer:**      T.G. Boughton

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	238.5 in
Container Mode Width	96 in
Ribbon Bridge Mode Width	131.5 in
Height	102 in
Reducible Height	N/A
Cargo Deck Height Unloaded	75 in
Vehicle Curb Weight (includes BII)	21,800 lbs
Gross Vehicle Weight Rating	61,800 lbs

**TRAILER, SELF-LOADING, RIBBON BRIDGE/CONTAINER HAULER, MK18 MOD 0-  
CONT'D**

**Performance Information**

Fording Depth	60 in
Highway Payload	40,000 lbs
Cross Country Payload	25,000 lbs
Cab 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

**Special Tool Kits**

**TRAILER, SELF-LOADING, 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 through the use of hydraulic cylinders, rollers and winches. Prior preparation of the RBU is not required for loading and unloading of ISO/ANSI containers. Reconfiguration of the MK18A1 for loading and unloading the Bridge Set requires approximately 25 to 30 minutes to change rollers and brackets. The MK18A1 can be operated by remote control from a distance either in the container or bridge mode.

**Manufacturer:** Oshkosh Truck Corporation

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	240 in
Container Mode Width	101.3 in
Ribbon Bridge Mode Width	131.5 in
Height	148 in
Reducible Height	102 in
Cargo Deck Height Unloaded	102 in
Vehicle Curb Weight (includes BII)	21,800 lbs
Gross Vehicle Weight Rating	61,800 lbs

**TRAILER, SELF-LOADING, RIBBON BRIDGE/CONTAINER HAULER, MK18A1 MOD 0 –  
CONT'D**

**Performance Information**

Fording Depth	60 in
Highway Payload	40,000 lbs
Cross Country Payload	25,000 lbs
Cab 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

**Special Tool Kits**

**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. The cargo variant is 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 cab has integral armor incorporated into the cab floor to provide protection from mine blast. In addition, a removable armor kit can be added to the cab providing additional protection against improvised explosive devices and small arms. 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 Corporation

**Dimensions**

Length	432.2 in
Width	98 in
Height w/Container Loaded	161.9 in
Reducible Height	102 in
Cargo Deck Height Unloaded	62.1 in
Vehicle Curb Weight (includes BII)	53,670 lbs
Vehicle Curb Weight w/kit* installed	59,990 lbs
Gross Vehicle Weight Rating	106,000 lbs

\*Kits include add-on armor, weapons mount, and arctic kit.

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

**Performance Information**

Fording Depth	60 in.
Highway Payload	45,000 lbs
Cross Country Payload	33,000 lbs
Cab Capacity	1+1

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	166 gal
Fuel Consumption mpg	2.0 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

**Special Tool Kits**



**TRAILER, PALLETIZED LOADING SYSTEM (PLS), M1076**

TAMCN    D00357K    NSN    2330-01-303-5197    ID    11775A

**DESCRIPTION AND FUNCTION**

The Palletized Load System (PLS) Trailer is designed to carry loads behind the LVSR with minor preparation. The trailer may also be towed behind other USMC heavy tactical trucks. The PLS Trailer is used in conjunction with the M1077/MK1077 flatracks. The M1076 trailer, capable of carrying payloads up to 16.5 tons, is equipped with a flatrack that is interchangeable between truck and trailer. The prime mover truck and trailer form a self-contained system that loads and unloads its cargo without the need for forklifts or other material handling equipment. Without leaving the cab, the driver can load or unload the truck in less than one minute, and both truck and trailer in less than five minutes.

**Manufacturer:**    Oshkosh Truck Corporation

**Dimensions**

Length	327.4 in (including tongue/flatrack)
Width	95.7 in
Height	60 in
Reducible Height	N/A
Vehicle Weight	16,520 lbs
Curb Weight	16,500 lbs (includes flatrack and all kits)
Gross Vehicle Weight Rating	49,520 lbs

**Performance Information**

Fording Depth	48 in
Highway Payload	33,000 lbs
Cross Country Payload	33,000 lbs
Cab Capacity	N/A

**TRAILER, PALLETIZED LOADING SYSTEM (PLS), M1076 – 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	FY10
Service Life	22 yrs
Planned Exit Date	2032

**Special Tool Kits**

**FLATRACK, PALLETIZED LOADING SYSTEM (PLS), M1077/MK1077**

<u>TAMCN</u>	D01957K	<u>NSN</u>	3990-01-307-7676	<u>ID</u>	10562A
			3990-01-537-1045		10562B



**DESCRIPTION AND FUNCTION**

The Palletized Load System (PLS) Flatrack Model M1077/MK1077 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 is no hydraulic air or electrical connections or equipment on the flatrack. The MK1077 is an M1077 with additional reinforced tie-down points. 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
Width	95.99 in
Height	62.48 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	2,900 lbs
Gross Vehicle Weight Rating	35,900 lbs

**FLATRACK, PALLETIZED LOADING SYSTEM (PLS), M1077/ MK1077- CONT'D**

**Performance Information**

Fording Depth	60 in
Highway Payload	33,000 lbs
Cross Country Payload	32,300 lbs
Cab 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

**Special Tool Kits**

## **Section IV.**

### **Mine Resistant Ambush Protected (MRAP)**



**HEAVY ARMORED GROUND AMBULANCE (HAGA)**

<u>TAMCN</u>	D00237K	<u>NSN</u>	2355-01-588-1053	<u>ID</u>	11588A
			2355-01-562-6152		11588B

**DESCRIPTION AND FUNCTION**

The Heavy Armored Ground Ambulance (HAGA) is built by BAE Systems, Inc. The primary mission of the HAGA vehicle is medical evacuation. Medical evacuation is the timely, efficient movement and en route care by medical personnel of the wounded, injured, or ill persons from the battlefield or other locations to military treatment facilities. It is a diesel powered, pneumatic tired, heavily armored ambulance. 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 HAGA uses armor protection, including the underbelly, and seats six ambulatory or 3 litter bound personnel including the driver. The HAGA is designed to operate in the various weather and terrain conditions where joint forces deploy.

**Manufacturer:** BAE-Ground Systems Division.

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	337 in
Width	108 in
Height	134 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	31,000 lbs
Gross Vehicle Weight	52,000 lbs

**Performance Information**

Fording Depth	36 in. without preparation
Highway Payload	1,000 lbs
Cross Country Payload	1,000 lbs
Cab Capacity	1+ 6 Ambulatory or 3 Litter

**HEAVY ARMORED GROUND AMBULANCE (HAGA) – CONT'D**

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	76 gal
Fuel Consumption mpg	6.9 mpg
Fuel Consumption per hour	TBD

**Acquisition Information**

In Service Date	FY07
Service Life	10 yrs
Planned Exit Date	2017

**Special Tool Kits**



## COUGAR HARDENED ENGINEER VEHICLE (HEV 4X4)

TAMCN

D00257K

NSN

2355-01-519-8173

ID

11067A



### DESCRIPTION AND FUNCTION

The Cougar Hardened Engineer Vehicle (HEV) 4x4 is a member of the Mine Resistant Ambush Protected (MRAP) Family of Vehicles (FOV) which is capable of transporting personnel and cargo within the current theater of operations. The Cougar 4x4 can be employed in virtually all weather and rugged off road conditions. It enables forces to survive when engaged, maintain battle space awareness and retain flexibility to accomplish a variety of missions, to include EOD, combat engineer, convoy escort/security, direct Close Air Support (CAS), medical support, troop/cargo transport, reconnaissance and mobile command and control. As with other MRAP vehicles, the Cougar 4x4 offers protection against mine, IED/EFP/RPG impact and small arms fire.

**Manufacturer:** Force Protection Ind., Inc.

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	228 in
Width	94 in
Height	103 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

#### Performance Information

Fording Depth	39 in
Highway Payload	4,000 lbs
Cross Country Payload	4,000 lbs
Cab Capacity	1+3

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

**Fuel Data**

Fuel Type	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

**Special Tool Kits**

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

TAMCN

D00257K

NSN

2355-01-532-2174

ID

11202A



### DESCRIPTION AND FUNCTION

The JERRV EOD 4x4 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 EOD 4x4 has adequate armor protection and possesses the capability to carry all required EOD equipment. JERRV EOD 4x4 s 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	244.75 in
Width	102 in without mounted spare tires 104 in with mounted spare tires
Height	106.5 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	31,750 lbs
Gross Vehicle Weight	36,000 lbs

#### Performance Information

Fording Depth	39 in
Highway Payload	4,250 lbs
Cross Country Payload	4,250 lbs
Cab Capacity	1+3

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

**Fuel Data**

Fuel Type	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

**Special Tool Kits**

**JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE  
(CAT I A1)**

<u>TAMCN</u>	D00257K	<u>NSN</u>	2355-01-552-5565	<u>ID</u>	11202D
			2355-01-581-2392		11202K



**DESCRIPTION AND FUNCTION**

The FPII CAT I A1 MRAP vehicles are Commercial Off-The-Shelf (COTS) vehicles designed from the ground up to reduce casualties and increase survivability for personnel subjected to mine explosions, Improvised Explosive Devices (IED) detonations, and Small Arms Fire. The mission of the FPII CAT I A1 MRAP is to support small unit combat operations in urban or confined areas such as mounted patrols, reconnaissance, communications, and Command and Control.

**Manufacturer:** Force Protection Ind., Inc.

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	249 in
Width	104 in
Height	122 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	32,000 lbs
Gross Vehicle Weight	38,000 lbs

**Performance Information**

Fording Depth	39 in
Highway Payload	6,000 lbs
Cross Country Payload	6,000 lbs
Cab Capacity	1+5

**JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE  
(CAT I A1) – CONT'D**

**Fuel Data**

Fuel Type	Diesel/JP
Fuel Tank Capacity	100 gal
Fuel Consumption mpg	>6.0mpg
Fuel Consumption per hour	>8 gal

**Acquisition Information**

In Service Date	FY05
Service Life	15 yrs
Planned Exit Date	TBD

**Special Tool Kits**

## COUGAR HARDENED ENGINEER VEHICLE (HEV 6X6)

TAMCN

D00277K

NSN

2355-01-519-8172

ID

11066A



### DESCRIPTION AND FUNCTION

The Cougar HEV 6x6 is a member of the Mine Resistant Ambush Protected (MRAP) Family of Vehicles (FOV) which is capable of transporting personnel and cargo within the current theater of operations. The Cougar HEV 6x6 can be employed in virtually all weather and rugged off road conditions. It enables forces to survive when engaged, maintain battle space awareness and retain flexibility to accomplish a variety of missions, to include EOD, combat engineer, convoy escort/security, direct Close Air Support (CAS), medical support, troop/cargo transport, reconnaissance and mobile command and control. As with other MRAP vehicles, the Cougar 6x6 offers protection against mine, IED/EFP/RPG impact and small arms fire.

**Manufacturer:** Force Protection Ind., Inc.

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	294 in
Width	104 in with mounted spare tires 102 in without mounted spare tires
Height	127 in with gunner shields
Reducible Height	104 in
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	41,300 lbs
Gross Vehicle Weight	51,200 lbs

#### Performance Information

Fording Depth	39 in
Highway Payload	13,000 lbs
Cross Country Payload	13,000 lbs
Cab Capacity	1+9

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

**Fuel Data**

Type of Fuel	Diesel/JP-8
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

**Special Tool Kits**



## JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (JERRV ENG 6x6)

TAMCN      B00337K      NSN      2355-01-532-2159      ID      11201A



### DESCRIPTION AND FUNCTION

The JERRV ENG 6x6 is a versatile, diesel powered, pneumatic tired, heavily armored, multi-purpose vehicle equipped with a 360-degree automatic weapons mount that is utilized 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 ENG 6x6 has adequate armor protection and possesses the capability to carry all required EOD equipment. The JERRV ENG 6x6 is also used 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
Width	108 in
Height	106.5 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

#### Performance Information

Fording Depth	39 in
Highway Payload	12,000 lbs
Cross Country Payload	12,000 lbs
Cab Capacity	1+9

**JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE  
(JERRV ENG 6x6) – CONT'D**

**Fuel Data**

Type of Fuel	Diesel/JP-8
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

**Special Tool Kits**

## JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (JERRV EOD 6x6)

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



### DESCRIPTION AND FUNCTION

The JERRV EOD 6x6 is a member of the Mine Resistant Ambush Protected (MRAP) Family of Vehicles (FOV) which is capable of transporting personnel and cargo within the current theater of operations. The JERRV EOD 6x6 can be employed in virtually all weather and rugged off road conditions. It enables forces to survive when engaged, maintain battle space awareness and retain flexibility to accomplish a variety of missions, to include EOD, combat engineer, convoy escort/security, direct Close Air Support (CAS), medical support, troop/cargo transport, reconnaissance and mobile command and control. As with other MRAP vehicles, the Cougar 6x6 offers protection against mine, IED/EFP/RPG impact and small arms fire.

**Manufacturer:** Force Protection Ind., Inc.

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	244.75 in
Width	102 in without mounted spare tires 104 in with mounted spare tires
Height	106.5 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	31,750 lbs
Gross Vehicle Weight	36,000 lbs

#### Performance Information

Fording Depth	39 in
Highway Payload	4,250 lbs
Cross Country Payload	4,250 lbs
Cab Capacity	1+3

**JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE  
(JERRV EOD 6x6) – 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

**Special Tool Kits**

## JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (CAT II A1)

<u>TAMCN</u>	D00277K	<u>NSN</u>	2355-01-552-5199	<u>ID</u>	11291D
			2355-01-579-8931		11291I



### DESCRIPTION AND FUNCTION

The FP II CAT II A1 MRAP vehicles are Commercial Off-The-Shelf (COTS) vehicles designed from the ground up to reduce casualties and increase survivability for personnel subjected to mine explosions, Improvised Explosive Devices (IED) detonations, and Small Arms Fire. The mission of the CAT II A1 MRAP is to support small unit combat operations in urban or confined areas such as mounted patrols, reconnaissance, communications, and Command and Control.

**Manufacturer:** Force Protection Ind., Inc.

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	296 in
Width	108 in
Height	122 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	39,000 lbs
Gross Vehicle Weight	52,000 lbs

#### Performance Information

Fording Depth	39 in
Highway Payload	13,000 lbs
Cross Country Payload	13,000 lbs
Cab Capacity	1+9

**JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE  
(CAT II A1) – CONT'D**

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	100 gal
Fuel Consumption mpg	>5.0mpg
Fuel Consumption per hour	>8 gal

**Acquisition Information**

In Service Date	FY05
Service Life	15 yrs
Planned Exit Date	FY25

**Special Tool Kits**

## JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (CAT I A2)

<u>TAMCN</u>	D00257K	<u>NSN</u>	2355-01-564-3420	<u>ID</u>	11202I
			2355-01-579-8929		11202J



### DESCRIPTION AND FUNCTION

The MRAP CAT I A2 vehicles are Commercial Off-The-Shelf (COTS) vehicles designed from the ground up to reduce casualties and increase survivability for personnel subjected to mine explosions, Improvised Explosive Devices (IED) detonations, and Small Arms Fire. The mission of the CAT I A2 is to support small unit combat operations in urban or confined areas such as mounted patrols, reconnaissance, communications, and Command and Control. Improvements over the MRAP CAT I A1 include a 7 in. raised roof, increased capacity axles and springs, Automatic Fire Extinguishing System (AFES), improved seats and seat mounting, improved floor design, improved internal ballistic protection, and the ability to install EFP armor.

**Manufacturer:** Force Protection Ind., Inc.

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	234 in
Width	100 in
Height	130 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	37,000 lbs
Gross Vehicle Weight	42,600 lbs

#### Performance Information

Fording Depth	Unprepared approx. 39" (99 cm)
Highway Payload	5,600 lbs
Cross Country Payload	5,600 lbs
Cab Capacity	1+5

**JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE  
(CAT I A2) – CONT'D**

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	70 gal
Fuel Consumption mpg	>TBD
Fuel Consumption per hour	>8 gal

**Acquisition Information**

In Service Date	FY09
Service Life	15 yrs
Planned Exit Date	FY25

**Special Tool Kits**



## JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE (CAT II A2)

TAMCN D00277K NSN 2355-01-564-3423 ID 11291J  
 2355-01-579-8920 11291H



### DESCRIPTION AND FUNCTION

The MRAP CAT II A2 vehicles are Commercial Off-The-Shelf (COTS) vehicles designed from the ground up to reduce casualties and increase survivability for personnel subjected to mine explosions, Improvised Explosive Device (IED) detonations, and Small arms Fire. These vehicles support multiple missions to include recon, convoy operations, troop transport, ambulance, Combat Engineer, and EOD missions for maneuver units. The enhancements of the MRAP CAT II A2 over the MRAP CAT II A1 include a 7 in. raised roof, improved suspension, Automatic Fire Extinguishing System (AFES), improved seats and seat mountings, improved floor design, improved internal ballistic protection, and the ability to install EFP armor.

**Manufacturer:** Force Protection Ind., Inc.

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	296in
Width	108 in
Height	131 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	42,000 lbs
Gross Vehicle Weight	64,000 lbs

#### Performance Information

Fording Depth	Unprepared approx 39" (99 cm)
Highway Payload	22,000 lbs
Cross Country Payload	22,000 lbs
Cab Capacity	1+9

**JOINT EXPLOSIVE ORDNANCE DISPOSAL RAPID RESPONSE VEHICLE  
(CAT II A2) – CONT'D**

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	70 gal
Fuel Consumption mpg	>TBD
Fuel Consumption per hour	>8 gal

**Acquisition Information**

In Service Date	FY09
Service Life	15 yrs
Planned Exit Date	FY25

## BUFFALO MINE PROTECTION CLEARANCE VEHICLE (BUFFALO MK1)

TAMCN B50017K NSN 2320-01-529-2251 ID 11217A



### DESCRIPTION AND FUNCTION

The BUFFALO MK1 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 small arms ballistic fire.

**Manufacturer:** Force Protection Ind., Inc.

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	332 in
Width	123 in
Height	98.5 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

#### Performance Information

Fording Depth	48 in
Highway Payload	20,000 lbs
Cross Country Payload	20,000 lbs
Cab Capacity	1+9

**BUFFALO MINE PROTECTION CLEARANCE VEHICLE (BUFFALO MK1) – CONT'D**

**Fuel Data**

Type of Fuel	Diesel/JP
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

**Special Tool Kits**

## MRAP ALL TERRAIN VEHICLE (M-ATV)

TAMCN    D00367K    NSN    2355-01-575-9632    ID    11803A



### DESCRIPTION AND FUNCTION

The MRAP All Terrain Vehicle (M-ATV) was designed to meet emerging Theater requirements. The M-ATV provides better overall mobility characteristics than the original MRAP variants, while providing better survivability characteristics than any variant High Mobility Multipurpose Wheeled Vehicle (HMMWV). The M-ATV provides small unit combat operations in complex and highly restricted rural, mountainous, and urban terrain. It supports mounted patrols, reconnaissance, security, convoy protection, casualty evacuation, data interchange, and command and control functions.

**Manufacturer:**    Oshkosh Truck Corporation

### TECHNICAL CHARACTERISTICS

#### Dimensions

Length	246.8 in
Width	98.1 in
Height	105 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	25,000 lbs
Gross Vehicle Weight	32,500 lbs

#### Performance Information

Fording Depth	48 in
Highway Payload	4,000 lbs
Cross Country Payload	4,000 lbs
Cab Capacity	1+4

**MRAP ALL TERRAIN VEHICLE (M-ATV)- CONT'D**

**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	FY10
Service Life	16 yrs
Planned Exit Date	FY26

**Special Tool Kits**

## **Section V.**

### **Examples Of Vehicle Armor**





**FULL ARMOR KIT, MARINE ARMOR KIT (MAK), F/M1043A2/M1045A2**

TAMCN      D00217K      NSN      2510-01-525-9357      ID      8J264B



**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. 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



**FULL ARMOR KIT, MARINE ARMOR KIT (MAK), F/HMMWV, 2-DOOR**

TAMCN      D00197K      NSN      2510-01-525-2639      ID      8J240B



**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. 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



**FULL ARMOR KIT, MARINE ARMOR KIT (MAK), F/HMMWV, 4-DOOR**

TAMCN      D00207K      NSN      2510-01-525-2758      ID      8J243B



**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. 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**





**TRAILER, AMMUNITION: INTERNALLY TRANSPORTABLE VEHICLE AMMUNITION TRAILER (ITV-AT), M1164**

TAMCN      D08407K      NSN      2330-01-531-7368      ID      11171A



**DESCRIPTION AND FUNCTION**

The Internally Transportable Vehicle Ammunition Trailer (ITV-AT) is used in conjunction with the Internally Transportable Vehicle Prime Mover Trailer variant. The ITV-AT has been designed to be internally transportable within both the MV-22 tilt-rotor aircraft and CH53D/E rotary wing aircraft. The ITV-AT is designed to carry a maximum of 30 mortar rounds for the M327, 120MM Rifle Towed Mortar (RTM).

**Manufacturer:**      General Dynamic-Ordnance and Tactical Systems / American Growler

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	70.3 in
Width	60 in
Height	57.6 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	925 lbs
Gross Vehicle Weight Rating	2,725 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	1,800 lbs
Cross Country Payload	1,800 lbs
Cab Capacity	N/A

**TRAILER, AMMUNITION: INTERNALLY TRANSPORTABLE VEHICLE AMMUNITION  
TRAILER (ITV-AT), M1164- 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	June 2009
Service Life	10 yrs
Planned Exit Date	Feb. 2019

**Special Tool Kits**

**TRAILER, CHASSIS, 3/4 TON, M116A2/M116A3**

<u>TAMCN</u>	D00857K	<u>NSN</u>	2330-01-101-8434	<u>ID</u>	09058A
			2330-01-359-0080		09058C

**DESCRIPTION AND FUNCTION**

The M116A2 and M116A3 trailers are single axle, 2-wheeled, general-purpose chassis designed to be towed by the HMMWV. 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 has a wider bed and provides an increased payload over the M116A2. The M116A3 utilizes the HMMWV radial run flat wheel and tire assemblies. 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 with cargo body makes up an M101A3 trailer.

**Manufacturer:** Utility Tool & Body Company, Inc.

**TECHNICAL CHARACTERISTICS**

<b>Dimensions</b>	<b>M116A2</b>	<b>M116A3</b>
Length	147 in	145.7 in
Width	73.5 in	81.5 in
Height	35 in	36 in
Reducible Height	N/A	N/A
Cargo Deck Height Unloaded	N/A	N/A
Vehicle Curb Weight (includes BII)	1,340 lbs	1,340 lbs
Gross Vehicle Weight Rating	2,890 lbs	3,700 lbs

**Performance Information**

Fording Depth	30 in	30 in
Highway Payload	1,500 lbs	2,360 lbs
Cross Country Payload	1,500 lbs	2,360 lbs
Cab Capacity	N/A	N/A

**TRAILER, CHASSIS, 3/4 TON, M116A2/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, 3/4 TON, 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 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. 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
Width	73.5 in
Height	35 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	1,340 lbs
Gross Vehicle Weight Rating	2,840 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	1,500 lbs
Cross Country Payload	1,500 lbs
Cab Capacity	N/A

**TRAILER, CARGO, 3/4 TON, 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, LIGHT TACTICAL, MARINE CORPS CHASSIS, M1102 LTT-MCC**

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



**DESCRIPTION AND FUNCTION**

The M1102 LTT-MCC is a single axle, two wheeled chassis trailer, designed to meet the needs of the USMC. It is equipped with a solid flat bed with pre-drilled holes designed to secure various pieces of power generation, lighting, environmental control units, and general-purpose equipment. The M1102 LTT-MCC is designed to be towed behind the HMMWV on all types of roads, cross-country terrain, and in all weather conditions.

**Manufacturer:**      Schutt Industries

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	135 in
Width	87.5 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 Rating	4,200 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	3,025 lbs
Cross Country Payload	3,025 lbs
Cab Capacity	N/A

**TRAILER, LIGHT TACTICAL, MARINE CORPS CHASSIS, M1102 LTT-MCC – 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



**TRAILER, LIGHT TACTICAL, CARGO, HEAVY, M1102H**

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

**DESCRIPTION AND FUNCTION**

The M1102H is a single axle, two wheel, aluminum 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. A 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 20-mph cross-country.

**Manufacturer:**      Schutt Industries

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	135 in
Width	87.5 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 Rating	4,200 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	2,740 lbs
Cross Country Payload	2,740 lbs
Cab Capacity	N/A

**TRAILER, LIGHT TACTICAL, CARGO, 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, CHASSIS, GENERAL PURPOSE, 3 1/2 TON 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 5-ton trucks or MTRVs. 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
Width	95.9 in
Height	48.25 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	2,650 lbs
Gross Vehicle Weight Rating	9,650 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	7,000 lbs
Cross Country Payload	7,000 lbs
Cab Capacity	N/A

**TRAILER, CHASSIS, GENERAL PURPOSE, 3 1/2 TON M353 – CON'T**

**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, CARGO, 1 1/2 TON 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 5-ton trucks and MTRVs. 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
Width	83 in
Height	98 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	2,694 lbs
Gross Vehicle Weight Rating	5,694 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	3,000 lbs
Cross Country Payload	3,000 lbs
Cab Capacity	N/A

**TRAILER, CARGO, 1 1/2 TON 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, 400 GALLON, M149/M149A1/M149A2**

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



**DESCRIPTION AND FUNCTION**

The M149 series of trailers were designed to be pulled by the 5-ton trucks and MTRVs. The M149 series of water trailers transport potable or non-potable water on highways and cross-country terrain. The M149 featured a fiberglass water tank and had separate brake and black-out lights. The M149A1 featured the same tank, but improved on the lighting system by offering a composite light set. The tank on the M149A2 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**

<b>Dimensions</b>	<b>M149</b>	<b>M149A1</b>	<b>M149A2</b>
Length	161 in	161.5 in	161.5 in
Width	80 in	80.3 in	80.3 in
Height	76.5 in	79.3 in	79.3 in
Reducible Height	N/A	N/A	N/A
Cargo Deck Height Unloaded	N/A	N/A	N/A
Vehicle Curb Weight (includes BII)	2,440 lbs	2,440 lbs	2,900 lbs
Gross Vehicle Weight Rating	5,775 lbs	5,775 lbs	6,235 lbs

**Performance Information**

Fording Depth	30 in	30 in	30 in
Highway Payload	3,335 lbs	3,335 lbs	3,335 lbs
Cross Country Payload	3,335 lbs	3,335 lbs	3,335 lbs
Cab Capacity	N/A	N/A	N/A

**TRAILER, TANK, WATER, 400 GALLON, 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, 7 1/2 TON, 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. The M1073 is designed to be towed by the MTRV or LVS.

**Manufacturer:** Utility Tool & Body Company, Inc.

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	263.6 in
Width	96 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 Rating	22,140 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	15,500 lbs
Cross Country Payload	15,500 lbs
Cab 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, 7 1/2 TON, 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, CARGO, RE-SUPPLY F/HIGH MOBILITY ARTILLERY ROCKET SYSTEM  
(HIMARS), MK38**

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



**DESCRIPTION AND FUNCTION**

The MTRV 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 MTRV variant having a standard pintle.

**Manufacturer:**    Pribbs Steel & Manufacturing

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	314.4 in
Width	98 in
Height	88 in
Reducible Height	N/A
Cargo Deck Height Unloaded	54.51 in
Ground Clearance under axels	16.78 in
Vehicle Curb Weight (includes BII)	10,000 lbs
Gross vehicle weight Rating	22,000 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	12,000 lbs
Cross Country Payload	12,000 lbs
Cab Capacity	N/A

**TRAILER, 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

**Special Tool Kits**

TAMCN: D00182B	Tool Kit, Vehicular Special Purpose	NSN: 5180-01-528-8089
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**Section VII.**  
**Semi-Trailers**

**TM 11240-ODA**

**SEMI-TRAILER, AIRCRAFT REFUELER, 5000 GALLON, 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 MK31 series MTRV tractor is the designated prime mover for the tanker. The MK970 may also be towed by the M931 series 5-ton tractor at a reduced 3000 gallon capacity. 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 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 manually operated landing gear. The MK970 is replacing the aging fleet of M970s and ARCs.

**Manufacturer:** Heil Trailer International

**TECHNICAL CHARACTERISTICS****Dimensions**

Overall Length	359 in
Width	96 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 Rating	53,700 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	5,000 gal (3,000 gal w/M931)
Cross Country Payload	5,000 gal (3,000 gal w/M931)
Cab Capacity	N/A

**SEMI-TRAILER, AIRCRAFT REFUELER, 5000 GALLON, 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

**Special Tool Kits**



**SEMI-TRAILER, AIRCRAFT REFUELER, 5000 GALLON, ARMORED, AMK970**

TAMCN      D02157K      NSN      2330-01-559-3657      ID      08089C

**DESCRIPTION AND FUNCTION**

The AMK970 is the armored version of the MK970 used specifically for Overseas Contingency Operations. The Ballistic Protection Self Sealing System allows the tank to seal if penetrated by small arms fire. The AMK970 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 MK31 series MTRV tractor is the designated prime mover for the tanker. The AMK970 may also be towed by the M931 series 5-ton tractor at a reduced 3000 gallon capacity. The AMK970 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 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 manually operated landing gear.

**Manufacturer:** Heil Trailer International Inc.

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	359 in
Width	96 in
Height	104.5 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	22,920 lbs
Gross Vehicle Weight Rating	53,700 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	5,000 gal (3,000 gal w/M931)
Cross Country Payload	5,000 gal (3,000 gal w/M931)
Cab Capacity	N/A

**SEMI-TRAILER, AIRCRAFT REFUELER, 5000 GALLON, ARMORED, AMK970 – 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

**Special Tool Kits**

**SEMI-TRAILER, LOWBED, 40 TON, MEDIUM HEAVY EQUIPMENT TRANSPORTER  
(MHET), M870A2**

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



**DESCRIPTION AND FUNCTION**

The M870A2 is a 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
Width	96 in
Height	101.3 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	19,600 lbs
Gross Vehicle Weight Rating	99,600 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	80,000 lbs
Cross Country Payload	80,000 lbs
Cab 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

**TM 11240-ODA**

**SEMI-TRAILER, LOWBED, 40 TON, 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

**Special Tool Kits**

**SEMI-TRAILER, LOWBED, 40 TON, MEDIUM HEAVY EQUIPMENT TRANSPORTER  
(MHET), M870A2-S**

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



**DESCRIPTION AND FUNCTION**

The M870A2-S is a 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
Width	96 in
Height	101.3 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	19,600 lbs
Gross Vehicle Weight Rating	99,600 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	80,000 lbs
Cross Country Payload	80,000 lbs
Cab Capacity	N/A

**SEMI-TRAILER, LOWBED, 40 TON, 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

**Special Tool Kits**

**SEMI-TRAILER, LOWBED, 50 TON, MEDIUM HEAVY EQUIPMENT TRANSPORTER  
(MHET), M870A2E1**

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



**DESCRIPTION AND FUNCTION**

The M870A2E1 is a 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
Width	120 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 Rating	123,360 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	100,000 lbs
Cross Country Payload	100,000 lbs
Cab Capacity	N/A

**SEMI-TRAILER, LOWBED, 50 TON, 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

**Special Tool Kits**



**Section VIII.**  
**Planned Equipment**



**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. 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 removable 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, MTRV 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 270° (300° to reach bottles) 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.

**Manufacturer:** Oshkosh Corporation

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	458.4 in
Width	98 in
Height w/Container Loaded	122.4 in
Reducible Height	102 in
Cargo Deck Height Unloaded	61.9 in
Vehicle Curb Weight (includes BII)	67,840 lbs
Vehicle Curb Weight w/kits* installed	74,180 lbs
Gross Vehicle Weight Rating	106,000 lbs

\* Kits include add-on armor, weapons mount, and arctic.

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

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	166 gal
Fuel Consumption mpg	2.11 mpg
Fuel Consumption per hour	20 gal/hr @55 mph

**Acquisition Information**

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

**Special Tool Kits**

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

D08877K

NSN

2320-01-542-9941

ID

11313A

**DESCRIPTION AND FUNCTION**

The MKR16 tractor is a 10 x 10 truck designed for use on improved roads and highways. The tractor 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. 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 removable 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 Corporation

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	415.5 in
Width	98 in
Height	102 in
Reducible Height	102 in
Vehicle Curb Weight (includes BII)	
Vehicle Curb Weight w/kits* installed	56,310 lbs
Gross Vehicle Weight	107,000 lbs

\*Kits include add-on armor, weapons mount, and arctic.

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

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	N/A
Cab Capacity	1+1

**Fuel Data**

Type of Fuel	Diesel/JP
Fuel Tank Capacity	166 gal
Fuel Consumption mpg	2.31 mpg
Fuel Consumption per hour	20 gal/hr

**Acquisition Information**

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

**Special Tool Kits**

**FLATRACK REFUELING CAPABILITY (FRC)**

TAMCN      D02117K      NSN      TBD      ID      TBD



**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**

Length	240 in
Width	96 in
Height	96 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	TBD

**Performance Information**

Fording Depth	TBD
Highway Payload	TBD
Cross Country Payload	TBD
Cab Capacity	N/A

**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

**Special Tool Kits**



**TRAILER, CARGO, 4 TON, MK105**

TAMCN      D08627K      NSN      2330-01-539-1567      ID      11281A

**DESCRIPTION AND FUNCTION**

The MTRV 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 MTRV 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 tie down and lifting provisions. The MTRV Cargo Trailer will replace the current M105 series cargo trailers.

**Manufacturer:** Choctaw Manufacturing and Development Corporation

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	200 in
Width	97-5/8 in
Height w/Tarp & Bows installed	124-1/2 in
Reducible Height	70-1/2 in
Cargo Deck Height Unloaded	46-1/2 in
Vehicle Curb Weight (includes BII)	10,600 lbs
Gross Vehicle Weight Rating	18,600 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	8,000 lbs
Cross Country Payload	8,000 lbs
Cab Capacity	N/A

**TRAILER, CARGO, 4 TON, MK105 – 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	FY14
Service Life	22 yrs
Planned Exit Date	2036

**Special Tool Kits**

**TRAILER, GENERAL PURPOSE, 4 TON, MK353**

TAMCN      D00817K      NSN      2330-01-538-3207      ID      11271A

**DESCRIPTION AND FUNCTION**

The MTRV 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 MTRV 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 tie down and lifting provisions. The MTRV Generator Trailer will replace the current M353 general purpose trailers.

**Manufacturer:** Choctaw Manufacturing and Development Corporation

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	200 in
Width	97-5/8 in
Height	111 in
Reducible Height	59-1/8 in
Cargo Deck Height Unloaded	45-3/4in
Vehicle Curb Weight (includes BII)	10,705 lbs
Gross Vehicle Weight Rating	18,705 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	8,000 lbs
Cross Country Payload	8,000 lbs
Cab Capacity	N/A

TRAILER, GENERAL PURPOSE, 4 TON, MK353 - 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	FY15
Service Life	22 yrs
Planned Exit Date	2037

**Special Tool Kits**

**TRAILER, TANK, WATER, 600 GALLON, MK149**

TAMCN      D08827K      NSN      2330-01-538-6359      ID      11268A

**DESCRIPTION AND FUNCTION**

The MTRV 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 MTRV 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 tie down and lifting provisions. The MTRV Water Trailer will replace the current M149 series water bulls.

**Manufacturer:** Choctaw Manufacturing and Development Corporation

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	200 in
Width	97-5/8in
Height	110-3/4 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	10,773 lbs
Gross Vehicle Weight Rating	15,880 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	600 gal
Cross Country Payload	600 gal
Cab Capacity	N/A

**TRAILER, TANK, WATER, 600 GALLON, MK149 - 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	FY11
Service Life	22 yrs
Planned Exit Date	2033

**Special Tool Kits**

**Section IX.**  
**Phased-Out Equipment**





**MOTORCYCLE, MILITARY, 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
Width	56 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 Rating	600 lbs

**Performance Information**

Fording Depth	24 in
Highway Payload	N/A
Cross Country Payload	N/A
Cab Capacity	1

**MOTORCYCLE, MILITARY, 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

**Special Tool Kits**

TAMCN: D04722E	Tool Kit, MCM	SL-3-10028A	NSN: 5180-01-239-6707
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**MOTORCYCLE, MILITARY, 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**

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

**Performance Information**

Fording Depth	24 in
Highway Payload	N/A
Cross Country Payload	N/A
Cab Capacity	1

**MOTORCYCLE, MILITARY, 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

**Special Tool Kits**

TAMCN: D04722E	Tool Kit, MCM	SL-3-10028A	NSN: 5180-01-239-6707
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**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
Width	86 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 Rating	10,300 lbs

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

**Performance**

Fording Depth	30 in (60 in w/kit)
Highway Payload	2,500 lbs
Cross Country Payload	2,500lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**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
Width	85 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 Rating	8,500 lbs

**Performance Information**

Fording Depth	30 in (60 in w/ kit)
Highway Payload	2,500 lbs
Cross Country Payload	2,500 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594



**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
Width	85 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 Rating	10,300 lbs

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

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	2,500 lbs
Cross Country Payload	2,500 lbs
Cab Capacity	1+3

**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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, UTILITY, 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
Width	85 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 Rating	10,300 lbs

**TRUCK, UTILITY, TOW CARRIER, M1045 – CONT'D**

**Performance Information**

Fording Depth	30 in (60 in w/kit)
Highway Payload	2,500 lbs
Cross Country Payload	2,500 lbs
Cab Capacity	1+3

**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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, UTILITY, 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
Width	85 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 Rating	10,300 lbs

**Performance Information**

Fording Depth	30 in (60 in w/ kit)
Highway Payload	2,500 lbs
Cross Country Payload	2,500 lbs
Cab Capacity	1+3

**TRUCK, UTILITY, 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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, AMBULANCE, 4-LITTER, 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
Width	85 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 Rating	10,300 lbs

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

**Performance Information**

Fording Depth	30 in (60 in w/ kit)
Highway Payload	2,500 lbs
Cross Country Payload	2,500 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594



**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. Its 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
Width	85 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 Rating	10,300 lbs

**Performance Information**

Fording Depth	30 in (60 in w/ kit)
Highway Payload	2,500 lbs
Cross Country Payload	2,500 lbs
Cab Capacity	1+1

**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**

**Acquisition Information**

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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**TRUCK, CARGO, DROPSIDE, W/O WINCH, M813A1**

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
Width	97.5 in
Height	116.8 in
Reducible Height	85.1 in
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	10,455 lbs
Gross Vehicle Weight Rating	20,455 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**TRUCK, CARGO, DROPSIDE, W/O WINCH, M813A1 – 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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**TRUCK, CARGO, DROPSIDE, W/WINCH, M813A1**

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
Width	97.5 in
Height	116.8 in
Reducible Height	85.1 in
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	11,120 lbs
Gross Vehicle Weight Rating	21,120 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**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, W/WINCH, M813A1 – CONT'D**

**Acquisition Information**

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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**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
Width	97 in
Overall Height	121 in
Reducible Height	93.9 in
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	11,740 lbs
Gross Vehicle Weight Rating	21,740 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737



**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
Width	97 in
Height	121 in
Reducible Height	93.9 in
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	12,700 lbs
Gross Vehicle Weight Rating	22,700 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**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
Width	97.5 in
Height	116.6 in
Reducible Height	84.9 in
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	12,875 lbs
Gross Vehicle Weight Rating	22,875 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**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
Width	98 in
Height	123.4 in
Reducible Height	93.5 in
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	14,660 lbs
Gross Vehicle Weight Rating	24,660 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**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
Width	98 in
Height	120.6 in
Reducible Height	93.5 in
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	15,620 lbs
Gross Vehicle Weight Rating	25,620 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**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**

**Acquisition Information**

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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737



**TRUCK, DUMP, 5 TON, W/O WINCH, M817**

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
Width	97.5 in
Height	112.1 in
Reducible Height	N/A
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	13,090 lbs
Gross Vehicle Weight Rating	23,090 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

TRUCK, DUMP, 5 TON, W/O WINCH, M817 – 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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**TRUCK, DUMP, 5 TON, W/WINCH, M817**

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. A tarp with tie-down straps was offered as an option to keep debris from being ejected while the dump-bed is loaded.

**Manufacturer:**      AM General

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	288.5 in
Width	97.5 in
Height	112.1 in
Reducible Height	N/A
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	13,755 lbs
Gross Vehicle Weight Rating	23,755 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**TRUCK, DUMP, 5 TON, W/WINCH, M817 – 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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**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. A tarp with tie-down straps was offered as an option to keep debris from being ejected while the dump-bed is loaded.

**Manufacturer:**      AM General

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	274.8 in
Width	97 in
Height	124.4 in
Reducible Height	N/A
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	14,000 lbs
Gross Vehicle Weight Rating	24,000 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**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. A tarp with tie-down straps was offered as an option to keep debris from being ejected while the dump-bed is loaded.

**Manufacturer:**      AM General

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	294.5 in
Width	97 in
Height	124.4 in
Reducible Height	N/A
Cargo Deck Height Unloaded	
Vehicle Curb Weight (includes BII)	14,960 lbs
Gross Vehicle Weight Rating	24,960 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**TRUCK, DUMP, 5 TON, M930A1 – CONT'D**

**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

**Acquisition Information**

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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737



**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
Width	98 in
Height	116 in
Reducible Height	86 in
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	10,290 lbs
Gross Vehicle Weight Rating	20,290 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	10,000 lbs
Cross Country Payload	10,000 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**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
Width	97.4 in
Height	121.2 in
Reducible Height	94.1 in
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	19,895 lbs
Gross Vehicle Weight Rating	74,895 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	55,000 lbs
Cross Country Payload	37,500 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

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

**Performance Information**

Fording Depth	60 in
Highway Payload	N/A
Cross Country Payload	N/A
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

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

**Performance Information**

Fording Depth	60 in
Highway Payload	N/A
Cross Country Payload	N/A
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737



**SEMITRAILER, LOW BED, 40 TON, MEDIUM HEAVY EQUIPMENT TRANSPORTER  
(MHET), M870A1**

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



**DESCRIPTION AND FUNCTION**

The M870A1 semitrailer is a newer version of the M870 with the same mission of transporting construction equipment and material. It is towed by the Marine Corps MK48/16 LVS semitrailer adapter configuration. The semitrailer can transport a payload of 40 tons cross-country at 20 mph and on highways at 40 mph. The gooseneck of the M870A1 drops down to form a ramp for loading and unloading of equipment. To widen the bed and to help stabilize and support the load, twenty-four permanent outriggers are stored in an open stowage compartment on the gooseneck behind the air and electrical connectors. A spare tire is mounted on the rear deck of the vehicle. The prime mover supplies brake control and air pressure.

**Manufacturer:** Shoals American Industries, Inc.

**TECHNICAL CHARACTERISTICS**

**Dimensions**

Length	510 in
Width	96 in*
Height	72.9 in
Reducible Height	N/A
Cargo Deck Height Unloaded	72.9 in
Vehicle Curb Weight (includes BII)	19,000 lbs
Gross Vehicle Weight Rating	99,000 lbs

\* Expandable to 120 in

**Performance Information**

Fording Depth	60 in
Highway Payload	80,000 lbs
Cross Country Payload	80,000 lbs
Cab Capacity	N/A

**SEMITRAILER, LOW BED, 40 TON, MEDIUM HEAVY EQUIPMENT TRANSPORTER  
(MHET), 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

**Special Tool Kits**

**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 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
Width	85 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 Rating	10,300 lbs

\* Without S250 Shelter

**Performance Information**

Fording Depth	30 in (60 in w/ kit)
Highway Payload	3,600 lbs
Cross Country Payload	3,600 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

**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
Width	85 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 Rating	10,300 lbs

\* Without S250 Shelter

**Performance Information**

Fording Depth	30 in (60 in w/ kit)
Highway Payload	3,600 lbs
Cross Country Payload	3,600 lbs
Cab Capacity	1+1

**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

**Special Tool Kits**

TAMCN: D04752E	Tool Kit, 2D ECH, HMMWV	SL-3-09947A	NSN: 5180-01-216-8655
D04762E	Tool Kit, FM, 3D ECH, HMMWV		5180-01-198-7593
D04772E	Tool Kit, FM, 4 <sup>th</sup> ECH, HMMWV		5180-01-198-7594

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

<u>TAMCN</u>	D01907K	<u>NSN</u>	4930-00-935-4451	<u>ID</u>	00633D
			4930-01-230-0781		00633E

**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 only difference between the 4AO32-1 and the 4AO32-11 is the manufacturer. The 4AO32-1 is made by Henry Spen Company. The 4AO32-11 is manufactured by Elliott Manufacturing Company.

**Manufacturer:** Elliott Manufacturing Company  
Henry Spen Company

**TECHNICAL CHARACTERISTICS****Dimensions**

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

**Fuel Data**

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

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

**Acquisition Information**

In Service Date

Service Life

Planned Exit Date

31 Dec 2010 (4AO32-11)

30 Jun 2010 (4AO32-1)

**Special Tool Kits**



**TRAILER, POWERED, 20 TON, CARGO, DROPSIDE, WITH MATERIAL HANDLING CRANE,  
MK17/MK17A1 MOD 0**

<u>TAMCN</u>	D08797K	<u>NSN</u>	2320-01-176-0468	<u>ID</u>	08784A
			2320-01-417-5296		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
Width	96 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 Rating	67,660 lbs

**Performance Information**

Fording Depth	60 in
Highway Payload	40,000 lbs
Cross Country Payload	25,000 lbs
Cab Capacity	1+1

**TM 11240-ODA**

**TRAILER, POWERED, 20 TON, CARGO, DROPSIDE, WITH MATERIAL HANDLING CRANE,  
MK17/MK17A1 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

**Special Tool Kits**

**DOLLY SET, LIFT, TRANSPORTABLE SHELTER, 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 axles by means of rocker arms and strut assemblies that can be raised or lowered by hydraulic hand pumps. A draw bar with 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*
Width	96 in
Height	54.5 in*
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	3,700 lbs
Gross Vehicle Weight Rating	14,200 lbs

\* Draw bar removed

**Performance Information**

Fording Depth	30 in
Highway Payload	10,500 lbs
Cross Country Payload	10,500 lbs
Cab Capacity	N/A

**DOLLY SET, LIFT, TRANSPORTABLE SHELTER, 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

**Special Tool Kits**

**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 mission of the M876A1 Telephone Maintenance Truck 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° 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
Width	98 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 Rating	23,365 lbs

**Performance Information**

Fording Depth	60 in w/o kit
Highway Payload	600 lbs
Cross Country Payload	600 lbs
Cab Capacity	1+2

**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

**Special Tool Kits**

TAMCN: D06052E	Tool Kit, 3 <sup>RD</sup> ECH FM	SL-3-08427A	NSN:
D07552E	Tool Kit, 2 <sup>ND</sup> ECH Truck 5 Ton	SL-3-08426A	5180-00-762-1737

**TRUCK, AVIATION REFUELER CAPABILITY, ARC**

TAMCN    D02107K    NSN    2320-01-531-5250    ID    10780C

**DESCRIPTION AND FUNCTION**

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 provides 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 consists of a 4900, 6x4 chassis, while the ARC A1 and A2 variants have a 7400, 6x4 chassis. The ARC was only be fielded to the MAWs and MPS. The ARC is currently being 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
Width	96 in
Height	103 in
Reducible Height	N/A
Cargo Deck Height Unloaded	N/A
Vehicle Curb Weight (includes BII)	21,375 lbs
Gross Vehicle Weight Rating	57,375 lbs

**Performance Information**

Fording Depth	N/A
Highway Payload	36,000 lbs
Cross Country Payload	N/A
Cab Capacity	1+1

**TRUCK, AVIATION REFUELER CAPABILITY, ARC- 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

**Special Tool Kits**



**VEHICLE, FAST ATTACK, INTERIM (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 replaced 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. The IFAV is currently being replaced by the Internally Transportable Vehicle (ITV).

**Manufacturer:** Daimler - Chrysler

**TECHNICAL CHARACTERISTICS****Dimensions**

Length	179 in
Width	65 in
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	7,290 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	3,000 lbs
Cross Country Payload	3,000 lbs
Cab Capacity	1+4

**VEHICLE, FAST ATTACK, INTERIM (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	31 Oct 2009

**Special Tool Kits**

**SEMITRAILER, AIRCRAFT REFUELER, 5000 GALLON, 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
Width	96 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 Rating	49,150 lbs

**Performance Information**

Fording Depth	30 in
Highway Payload	5,000 gal
Cross Country Payload	5,000 gal
Cab Capacity	N/A

**SEMITRAILER, AIRCRAFT REFUELER, 5000 GALLON, 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

**Special Tool Kits**

APPENDIX A

AUTHORIZED TRAILERS

A-1. ITV

Table A-1. ITV PM

TAMCN	NOMENCLATURE	LIMITATIONS
E10707M	Internally Transportable Vehicle EFSS Rifled Towed Mortar (RTM) M327	35mph Primary Roads 15mph Secondary Roads 10mph Cross-Country/Trails
D08407KP	Internally Transportable Vehicle Ammunition Trailer (ITV-AT) M1164	30mph Primary Roads (load of 15-30 rounds) 25mph Primary Roads (load of 0-14 rounds) 15mph Secondary Roads (load of 0-30 rounds) 5mph Cross-Country/Trails (load of 0-30 rounds)

A-2. HMMWVs

Table A-2. HMMWVs

TAMCN	NOMENCLATURE	LIMITATIONS
B00187B	Integrated Trailer, Environmental Control Unit and Generator (ITEG)	
B15837B/ B23947B	600 GPM Fuel & Water Pump Trailer	35mph Primary Roads 25mph Secondary Roads 5mph Cross-Country and Trails
C79052B	Common #22, Shop Equipment Common Tool Set	
D00167K	M1102 LTT-H (Cargo)	
D00177K	M1102 LTT-MCC (Chassis)	
D00857K	M116 Series, 3/4 Ton	2,250 lbs Primary Roads 1,500 lbs Cross-Country 50 mph Primary Roads 6 mph Cross-Country
D08407KP	Internally Transportable Vehicle Ammunition Trailer (ITV-AT) M1164	<b>Emergency Use Only</b> 30mph Primary Roads (load of 15-30 rounds) 25mph Primary Roads (load of 0-14 rounds) 15mph Secondary Roads (load of 0-30 rounds) 5mph Cross-Country/Trails (load of 0-30 rounds)
D08507K	M101 Series, Cargo	1,500 lbs 15 mph Cross-Country ( <b>If Towed By M998/M1123</b> )
E10707M	Internally Transportable Vehicle EFSS Rifled Towed Mortar (RTM) M327	<b>Emergency Use Only</b> 35mph Primary Roads 15mph Secondary Roads 10-15mph Cross-Country and Trails
	Base-X Shelter Support Trailer (BST)	
	HP-2C DRASH	30mph Primary Roads 25mph Secondary Roads 15mph Cross-Country and Trails <b>Cannot Tow HP-2C Trailers Built Prior To 25 Oct 2004 Unless Trailer Is Modified</b>
	M1101 Army High Mobility Trailer	
	MHU-151 Aviation Ordnance Trailer	3000lbs Max Load Loaded – 5 mph Unloaded – 25 mph Max 2 Tandem –(Loaded/Unloaded) 10 mph
	Minimum Operating Strip Lighting System (MOSLS)	45mph Primary Roads 20mph Secondary Roads 5mph Cross-Country and Trails

A-3. MTVR

Table A-3. MTVR

TAMCN	NOMENCLATURE	LIMITATIONS
A15037G	AN/TPS-59 Radar	
B00257B	Trailer Mounted Hydro Seeder (T90-T)	<b>Must Be Towed Empty</b> 35 mph Primary Roads 20 mph Secondary Roads 5 mph Off-Road
B01157B	BEB Bridge Erection Boat Trailer	<b>Must have lunette adapter.</b> 45 mph Primary Roads 20 mph Secondary Roads 5 mph Off-Road
B00157B	USMC Z-Backscatter Military (ZBV-MIL)	MTVR must not be loaded over Cross-Country GVW rating. 45 mph Primary Roads 25 mph Secondary Roads 5 mph Cross-Country
B17807B	Riverine Assault Craft (RAC) w/Trailer	
B19517B	Shop Equipment, General purpose, Set No. 1	
B25657K	Engineering Equipment Trailer (EET)	MTVR must not be loaded over its Cross-Country GVW. 5,020 lbs (120MM Tank Ammunition); 5,380 lbs (155MM Separate Loading Projectiles)
C53337B	Open Water Safety Craft Trailer (OWSC)	MTVR must not be loaded over Cross-Country GVW. 40 mph Primary Roads 25 mph Secondary Roads <b>(not authorized for Cross-Country)</b>
C71107G	Tactical Imagery Production System (TIPS) with 15,000 lb. ISO Container Trailer	MTVR must not be loaded over Cross-Country GVW. 45 mph Primary Roads 20 mph Secondary Roads <b>(not approved Cross-Country)</b>
D00807K	M353 General Purpose Trailer	50 mph Highway/ 25 mph Cross Country
D02157K	MK970 5,000 Gallon Semi-trailer Refueller	3,000 Gal. with M931
D02357K	M870A2/A2S Medium Heavy Equipment Transporter (MHET)	55 mph Primary Roads 30 mph Secondary Roads
D08607K	M105A2 Cargo Trailer	50 mph Primary Roads
D08617K	MK38 HIMARS RSV Trailer	
D08807K	M149 Water Tank Trailer	
D08857K	M1073 FUPP Full Up Power Pack Trailer	
E00707B	MCC20-DSESTS Shelter Trailer w/	MTVR must not be loaded over Cross-Country

TM 11240-ODA

TAMCN	NOMENCLATURE	LIMITATIONS
	DSESTS Shelter, AMS, SAMS, or any component of the EOMSC	GVW. 50 mph Primary Roads 30 mph Secondary Roads      15 mph Trails 5 mph Cross-Country
E06407M	M101A1 Howitzer	Ceremonial Purposes Only – No Off Road Capability
E06657M	M198A1 Gun	
E06717M	M777 - LW155 Howitzer	
	M31 Arresting Gear Trailer	45 mph Primary Roads 20 mph Secondary Roads 5 mph Off-Road
	M200 2-1/2 Ton Generator Chassis Trailer	
	K4-A Aviation Ordnance Trailer w/adaptor only	<b>Requires use of K4-A Pintle adapter.</b> 35 mph Primary Roads 20 mph Secondary Roads 5mph Off-Road
	M514 Chassis Trailer 2 Wheel 1-Ton	2,500 lbs 50 mph highway/ 25 mph Cross-Country
	Rough Terrain Trailer (RTT) for the Riverine Assault Craft (RAC)	MTVR must not be loaded over Cross-Country weight. 35 mph Primary Roads 25 mph Secondary Roads 15 mph Trails 5 mph Cross-Country



A-4. LVS

Table A-4. LVS

TAMCN	NOMENCLATURE	LIMITATIONS
B01157B	BEB Bridge Erection Boat Trailer	45 mph Primary Roads 20 mph Secondary Roads 5 mph Off-Road
D00027K	M870A2E1 Medium Heavy Equipment Transporter (MHET)	35 mph Primary Roads 25 mph Secondary Roads
D00357K	M1076 Palletized Load System (PLS) Trailer	
D02157K	MK970 5,000 Gallon Semi-trailer Refueller	Requires use of use MK16 RBU
D02357K	M870A2/A2S Medium Heavy Equipment Transporter (MHET)	55 mph Primary Roads 30 mph Secondary Roads
D08767K	MK14 Rear Body Unit Tandem Tow	22.5 Tons (On Road) 12.5 Tons (Off Road)
D08857K	M1073 FUPP Full Up Power Pack Trailer	15,500 lbs 55 mph Primary Roads 35 mph Secondary Roads 20 mph Cross-Country
E06657M	M198A1 Gun	
E06717M	M777 LW155 Howitzer	
	M31 Arresting Gear Trailer	45 mph Primary Roads 20 mph Secondary Roads 5 mph Off-Road
	M747 Army Heavy Equipment Transporter System	
	Riverine Assault Craft (RAC) w/Trailer	

A-5. LVSR

Table A-5. LVS

TAMCN	NOMENCLATURE	LIMITATIONS
D00027K	M870A2E1 Medium Heavy Equipment Transporter (MHET)	
D00357K	M1076 Palletized Load System (PLS) Trailer	
D02357K	M870A2/A2S Medium Heavy Equipment Transporter (MHET)	

## A-5 MRAP

Table A-5 MRAP

TAMCN	NOMENCLATURE	LIMITATIONS



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