

Israeli Hamerim

General notes:

- Most of the Israeli Humvee's (Hamerim) are license built in Israel by Automotive Industries Ltd. These are built from knock down kits, delivered from the United States;
- All Hamerim (except for the M997 Maxi Ambulance and including the M114 based vehicles) are fitted with the original style 8 braces vent on top of the hood;
- All Hamerim are fitted with the new Good Year 'aggressive pattern' 37x12.50 R16.5lt tires;
- Some versions with enclosed cabs, are fitted with two small mesh screens on the right hand rear fender. This is part of the original air conditioning unit.

Name in Hebrew	Description	Picture	Basic vehicle
<p>Hamer Memugan M1025 האמר ממוגן</p>	<p>This type, based on the M1025, has been modified by Plasan Sasa, with the addition of an armored crew compartment. The vehicle has a roof hatch above the station behind the driver's seat. A spare wheel was added to a new bumper at the rear of the vehicle. The wheels are of the later "aggressive pattern" type. The vehicle can be fitted with Electronic Counter Measure equipment (see elsewhere: ECM 1 and ECM 2). It was used within the occupied territories and for border patrols, but now seems to be phased out. The vehicle is fitted with an internal small air conditioning unit.</p>		<p>M1025</p>
<p>Hamer Memugan M1113 האמר ממוגן</p>	<p>Almost the same design as its predecessor but this vehicle has a gun ring on the roof, normally fitted with either a MAG-58 or an MK 19 40 mm grenade launcher. It can easily be distinguished from the previous model, by the extended and armoured grill. It later received an external air conditioning unit on the back. It can be equipped with electronic counter measures' equipment. This consists of a mast mounted cellular telephone jammer and an anti-IED box. The roof holds two ammo stowage casings, each for two 7.62 mm ammo cans.</p>		<p>M1113 ECV</p>
<p>Hamer Memugan M1113 (internal air conditioning) האמר ממוגן</p>	<p>Like the regular M1113 based Hamer Memugan, but with an internally mounted air conditioning unit in the left rear stowage bin. It can be distinguished by the absence of an external unit and a mesh pattern in the lid of the left stowage unit.</p>		<p>M1113 ECV</p>
<p>Hamer Memugan M1114 האמר ממוגן</p>	<p>This vehicle is the same as a standard US Army issue M1114. It can often be seen fitted with protective mesh screens fitted to the windows. An amber flashing light is generally placed above the front windshield, protected by a wire mesh casing. On the roof of the vehicles there are four sets of adaptors, onto which ammo box brackets can be fitted. These, however, are normally not fitted. Another obvious difference to the US versions is that it has the original style 8 braces vent on top of the hood.</p>		<p>M1114</p>

<p>Hamer Memugan M1114 ve Katlanit האמר ממוגן קטלנית</p>	<p>This Hamer is the same vehicle as the M1114 previously mentioned, but fitted with a 12.7mm machine gun with the Rafael Katlanit RCWS.</p>		<p>M1114</p>
<p>Hamer Siyur (reconnaissance) האמר סיור</p>	<p>Based on M998 or M1025, this Hamer is roofless and has a roll cage to protect the vehicle's crew. On top is a gun ring which can accommodate a MAG-58 machine gun, a Mk 19 grenade launcher or other weapons. Unlike the US vehicles, the Israeli Hamerim are all fitted with a rear bumper, mounting a rack for a spare wheel.</p>		<p>M998/ M1025</p>
<p>Hamer Orev האמר עורב</p>	<p>Quite similar to the Hamer Siyur, this Hamer is fitted with a BGM-71 TOW launcher system (called Orev- Raven in IDF parlance) to the gun ring. In the trunk is an accommodation for 12 TOW- rounds, stored in an indigenously developed rack, called Kiveret (כנורת). The Orev system is can also be used dismounted. For that purpose, it also has a tripod stored above the left rear wheel hub.</p>		<p>M998/ M1025</p>
<p>Hamer Machmat (Siyur based) האמר מדגמה</p>	<p>Several photos show the Hamer Siyur as a tractor for a 120mm mortar. The grenades for the mortar are carried inside the Hamer Machmat.</p>		<p>M998/ M1025</p>
<p>Hamer Pikoud Ha'Orev האמר פיקוד העורף</p>	<p>In use with the Home Front Command, this vehicle seems to be a standard issue Hamer Siyur, pulling along a decontamination unit for NBC- warfare.</p>		<p>M998/ M1025</p>

<p>Hamer Medical</p>	<p>This vehicle is like the Hamer Siyur and Orev, except that in stead of a gun ring the vehicle is equipped with a high sided stowage rack, used to store and transport medical equipment for field hospitals.</p>		<p>M998/ M1025</p>
<p>Hamer Galit האמר גלית</p>	<p>The Galit is characterized by the addition of a prominent roll cage which is higher than that of the Hamer Siyur for instance. The roll cage can be fitted with a tilt made of Shimshon sheeted canvas.</p>		<p>M998/ M1025</p>
<p>Hamer Barkan האמר ברקן</p>	<p>Based on the Galit, this Hamer is equipped with a large storage box in the trunk, which houses FIM-92 Stinger missiles.</p>		<p>M998/ M1025</p>
<p>Hamershi't האמרשית</p>	<p>Much in the same way as the Batashi't and Abirshi't have been used to patrol long stretches of border in desert areas, this version is best described as a hard top Galit. It seems to be equipped for just the same task. The roof is of a solid hard type, with side and front panels made of Shimshon fabric. It is also equipped with sideward facing search lights.</p>		<p>M998/ M1025</p>
<p>Hamer Machmat (Galit based) האמר מרגמה</p>	<p>Several photos show the Hamer Galit as a prime mover for the Soltam 120mm mortar. The grenades for the mortar are carried inside the Hamer Machmat.</p>		<p>M998/ M1025</p>

<p>Hamer Galit Pikoud האמר גלית פיקוד</p>	<p>Based on the Hamer Galit, this Hamer is equipped with a wide range of radios and is used as a command platform.</p>		<p>M998/ M1025</p>
<p>Hamer (unknown version)</p>	<p>Although this vehicle at first site looks like the Hamer Galit previously mentioned it has a different pattern of arches. From the scarce information at hand, one is lead to believe that it is used by field medical units.</p>		<p>M998/ M1025</p>
<p>Hamer Gill האמר גיל</p>	<p>This vehicle seems to be the replacement for the Hamer Orev. Unlike the Hamer Orev, it doesn't have a mounted launching station in a gun ring. In stead, judging by the vehicle, the crew has to disembark and carry the missile (Gill aka. Spike) to its launch positions.</p> <p>Like the Hamer Orev it can accommodate 12 anti- tank rounds, stored in an indigenously developed rack in the trunk, called Kiveret (כוורת)</p> <p>In the accompanying picture the Kiveret can be seen in both vehicles in this picture with the top shelf opened up.</p>		<p>M998/ M1025</p>
<p>Hamer M998</p>	<p>Seldom seen in pictures, this vehicle seems to be a standard issue M998 in cargo/ troop configuration.</p>		<p>M998</p>
<p>Hamer M1025</p>	<p>This vehicle is the same as the standard issue M1025 weapons carrier as used with the US forces. Standard armament consists of a license built FN MAG-58. The vehicle is equipped with a rear bumper, with a spare wheel mount and extra tail light , standard to Israeli vehicles.</p>		<p>M998/ M1025</p>

<p>Hamer Patrol האמר פטרוני</p>	<p>This version is used by the Magav (Border Guard) units and as a utility ride throughout the armed forces. It seems to be used as a patrol vehicle or to convey staff. When in use as a patrol platform, its gunning is normally fitted with a MAG-58 machine gun.</p>		<p>M998/ M1025</p>
<p>Hamer Patrol (with air conditioning) האמר פטרוני</p>	<p>This Hamer's comfort has been improved with the addition of an air conditioning unit placed on the roof. This unit seems to be the same as the late model Hamer Memugan's unit.</p>		<p>M998/ M1025</p>
<p>Hamer police observation</p>	<p>Deployed by the Magav, this Hamer Patrol has an electronic system on top that allows it to become a mobile observation post.</p>		<p>M998/ M1025</p>
<p>Hamer Niyud</p>	<p>Much like the M998 and M1025 standard vehicles, these vehicles are used to train new drivers. The vehicles have a stowage rack on top of the roof as well as a box over each rear wheel well. There are two different sub versions, differing in the stowage boxes above the rear wheel hubs as well as the cargo rack on the roof.</p>		<p>M998/ M1025</p>
<p>M1038 Hamer Tziyud האמר ציוד</p>	<p>This vehicle seems to be the US version called M1038. It has inward facing benches in the rear and a hard top two door cab. In Israeli service it is equipped with a rear bumper, with a frame for storing a spare wheel.</p>		<p>M1038</p>

<p>Hamer Tziyud האמר ציוד</p>	<p>This version takes after the US version M1038. It has the same small cab version. This vehicle is equipped with four rearward facing seats, mounted in the front of the trunk and a distinct roll bar welded to the roof of the frontal section. It is mainly used for hauling goods and equipment. The tilt is made from a material called Shimshon.</p>		<p>M998/ M1025</p>
<p>M-1037 S-250 Shelter Carrier</p>	<p>This version seems to be the same as the US M1037 Shelter Carrier. In this case the shelter itself has a corrugated roof.</p>		<p>M1037</p>
<p>Hamer Lynx האמר לינקס</p>	<p>The Hamer Lynx is a modern satellite communications relay system and several are in use with the Zahal. The system consists of a container that resembles the standard S-250 shelter, but is remarkably lower. On top, a large foldable satellite dish is fitted. The system has multiple tasks it can fulfil. The vehicle is based on the M1113 Enhanced Capability Vehicle version of the Humvee. Detachable outriggers are fitted to the front of the vehicle, which provide the system with stability once fitted to the outer extremities of the vehicle.</p>		<p>M1113 ECV</p>
<p>Hamer Raccoon חאמר רקון</p>	<p>The Raccoon is used with the Israel Defense Forces. It is intended for tasks like surveillance, reconnaissance and image acquisition. It is equipped with very sensitive optical equipment.</p>		<p>M1113 ECV</p>

<p>Hamer</p>	<p>This vehicle looks a lot like the previously mentioned Raccoon. It seems to be a communications vehicle, evidenced by the wire reels on either side of the shelter as well as the large array of antennae.</p>		<p>M1025</p>
<p>M-997 Hamer Ambulance האמר אמבולנס</p>	<p>The Hamer is the biggest version of the ambulance on wheel. It has exactly the same features as its U.S. counterpart and also has the same equipment inside. The top mounted vent on the hood is the later version with thin braces. The Hamer Magen David seems to be the only HMMWV version in Israeli service to have this type of vent.</p>		<p>M997</p>
<p>Hamer Nyedit Tazukaha Rekem</p>	<p>This is the Mobile Heavy Armor Maintenance Vehicle, designed to provide maintenance for the tanks in the field, such as oil changes. For this purpose the vehicle is equipped with an oil filtration system and pump which allows it to change oil rapidly. It also has an onboard compressor for the use of pneumatic tools. The superstructure covers the trunk and the rear seats. The front seats are covered by a hard top, onto which a stowage basket is mounted. In this case a tilt is fitted over the basket.</p>		<p>M998/ M1025</p>
<p>OPFOR unit at Ze'elim training grounds</p>			
<p>T-72M Simulator מחפש האמר</p>	<p>The following type of the Hamer is used for manoeuvres as Opposing Forces (OPFOR) There are several versions. This one is obviously meant to mimic the T-72 tank, as the makeshift turret features a lot of characteristics seen on the real tank. Extra panels have been added so that the silhouette resembles that of the T-72M. The vehicle is fitted with a wide range of gear for war gaming purposes.</p>		<p>M998/ M1025</p>

<p>Hamer Orev האמר מחופש</p>	<p>This version of the Hamer seems to be a standard M966 TOW carrier, except that it has gas bottles probably containing pressurized air, mounted to the right of the trunk. It is used for manoeuvres as Opposing Forces (OPFOR). The vehicle is fitted with a wide range of gear for war gaming purposes.</p>		<p>M966</p>
<p>BRDM simulator האמר מחופש</p>	<p>The following type of the Hamer is used for manoeuvres as Opposing Forces (OPFOR) and is obviously meant to mimic the Soviet designed BRDM-2. Extra panels have been added so that the silhouette resembles that of the BRDM-2. The vehicle is fitted with a wide range of gear for war gaming purposes.</p>		<p>M998/ M1025</p>
<p>Hamer Tothanim</p>	<p>The following type of the Hamer is used for manoeuvres as Opposing Forces (OPFOR) There are several versions. This one is obviously meant to mimic an artillery piece. The vehicle is fitted with a wide range of gear for war gaming purposes.</p>		<p>M998/ M1025</p>
<p>Hamer Siyur Ze'elim האמר מחופש</p>	<p>This version of the Hamer is used for simulating Opposing Forces (OPFOR). This vehicle is probably used as a command vehicle. The roll cage seems to be the US pattern rather than the Israeli version (see Hamer Siyur derivatives).</p>		<p>M998/ M1025</p>

<p>Hamer Ze'elim M1035 האמר מחופש</p>	<p>This vehicle seems to be in use with the OPFOR unit at Ze'elim and seems to be a standard issue US Army M1035 soft top ambulance.</p>		<p>M998/ M1025</p>
<p>Hamer Ze'elim מחופש האמר</p>	<p>This version of the Hamer is used with the Opposing Forces (OPFOR) at Ze'elim. Its purpose is unknown.</p>		<p>M998/ M1025</p>
<p>Hamer Ze'elim האמר מחופש</p>	<p>This version of the Hamer is used with the Opposing Forces (OPFOR) at Ze'elim. Its purpose is unknown.</p>		<p>M998/ M1025</p>
<p>Experimental</p>			
<p>Hamer Memugan M1114 האמר ממוגן</p>	<p>This Hamer is a US Army pattern M1114 fitted with an unknown RCWS. This version is not operational.</p>		<p>M1114</p>

<p>Sparrow</p>	<p>The EMIT company of Israel has fitted a launching rail on top of a standard M1025 that enables it to launch the "Sparrow" UAV Drone. This version of the HMMWV is not operational in Israeli service.</p>		<p>M998/ M1025</p>
<p>Hamer האמר</p>	<p>This vehicle is the same as the Hamer Orev, but the Orev missile has been replaced by the Israeli Gill anti tank missile.</p>		<p>M998/ M1025</p>
<p>SPIKE NLOS</p>	<p>The "Spike" has been developed by Rafael as a family of anti-tank missiles of the third generation. The new missile with a range of up to 25 kilometres and can be used from the air, land and sea.</p>		<p>M1037</p>
<p>Hamer 6x6 Yaalim</p>	<p>A one off version of the Hamer, with the rear modified to make it into a vehicle with 3 axles. The footages of field testing are impressive. The vehicle was developed by the Israeli company Yaalim.</p>		<p>M998/ M1025</p>
<p>Equipment seen on Hamerim</p>			
<p>ECM (1) (Electronic Counter Measures)</p>	<p>This large container is fitted to the roof of a Hamer Memugan (early) and is thought to contain electronics that are also mounted on the Nakpadon.</p>		

<p>ECM (2) (Electronic Counter Measures)</p>	<p>This large container is fitted to the roof of a Hamer Memugan (early) and is thought to contain electronics.</p>		
<p>Shalgonit שלגוניח</p>	<p>(Lagoon) Cellular jammer designed to jam Incendiary Explosive Devices. Can be identified as a rectangular box fitted to any vehicle. Example is Hamer Memugan (late) .</p>		
<p>Shalgon שלגון</p>	<p>(Popsicle) Radio jammer designed to remotely activate Incendiary Explosive Devices. Can be identified as an antenna with multiple rods. Examples are Hamer Memugan Late (shown) Hamer Memugan Early (mounted directly on the roof, no mast), David ULAV, Nag'mash Vayzata, Nagmachon, Nakpadon. Also known as EJAB and manufactured by Elisra.</p>		
<p>Air conditioning</p>	<p>This external unit was retrofitted onto Hamerim Memugan (Late) as the inside of the vehicles grew too hot. It was later integrated into the left rear storage compartment.</p>		
<p>Metashteshet מתשמששת</p>	<p>(to blur, make indistinct; cover up; daze) device pulled along by soft skin vehicles or armoured like the Hamer Memugan, while conducting border patrols. These have no definite form and are made in workshops and are designed to erase tracks.</p>		
<p style="text-align: right;"><i>Research and texts by Erik Hendriks, 2012</i></p>			