

High Mobility Multipurpose Wheeled Vehicle (HMMWV)

Supports combats, combat support, and combat service support units with a versatile, light, mission-configurable, tactical wheeled vehicle.



DESCRIPTION AND SPECIFICATIONS

The High Mobility Multipurpose Wheeled Vehicle (HMMWV) is a tri-service program that provides light, highly mobile, diesel-powered, four-wheel-drive vehicles to satisfy Army, Marine Corps, and Air Force requirements. HMMWV uses common components and kits to enable its reconfiguration as a troop carrier, armament carrier, S250 shelter carrier, ambulance, TOW missile carrier, and scout vehicle.

Since its inception, the HMMWV has undergone numerous updates, including technological upgrades, higher payload capacity, radial tires, 1994 Environmental Protection Agency emissions update, commercial bucket seats, three-point seat belts, four-speed transmissions, and, in some cases, turbocharged engines and air conditioning.

Currently, there are numerous variants of the HMMWV. The heavy variant has a payload of 4,400 pounds and is the prime mover for the light howitzer, towed Vulcan system, and heavier shelter carriers.

The up-armored HMMWV was developed to provide increased ballistic (up to 7.62mm NATO armor piercing) and blast protection (12-pound mine, front; 4-pound mine, rear), primarily for military police, special operations, and contingency force use. Selected as the Army's interim convoy protection platform, the up-armored HMMWV is currently delivered with gunner protective kits that provide the gunners with 360-degree protection.

The HMMWV A2 configuration incorporates the four-speed, electronic transmission, the 6.5-liter diesel engine, and improvements in transportability. It serves as a platform for other Army systems such as the Ground-Based Common Sensor. The most recent A2 variants going into production are the XM1151 Enhanced Armament Carrier and the XM1152 Enhanced Troop/Cargo/Shelter Carrier.

The expanded capacity vehicle (ECV) has a payload capacity of 5,100 pounds, including crew. ECV chassis are used for the M1114 up-armored HMMWV and serve as a platform for mission payloads and for systems that exceed 4,400 pounds.

HMMWV recapitalization:

- Rebuilds older HMMWV variants (M998/1037A0) into armor-capable M1097A0s
- Reduces overall operations and support costs
- Increases the service life of the overall HMMWV fleet
- Provides a platform for the spiralling of new technology into the HMMWV fleet

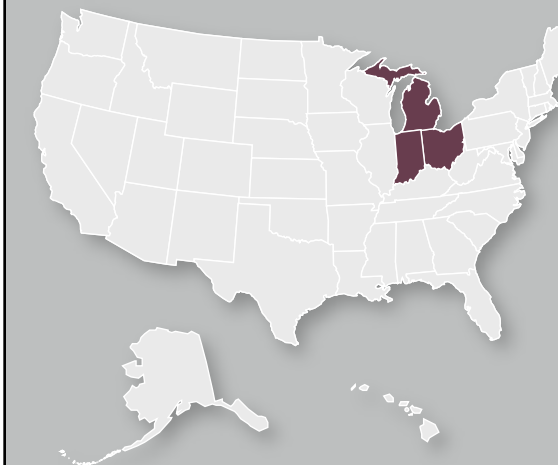
A centerpiece of the recapitalization effort is the Repower Initiative, which will spiral a new power train into both recapitalized and new production lines for more power, better reliability and sustainability, better range and fuel economy, and better environmental controls.

PROGRAM STATUS

- **Continued** fielding of A2 HMMWVs and M1114 HMMWVs to Army, Marine Corps, Air Force, and foreign military sales customers
- **FY04** Continued recapitalization of HMMWVs; first recapitalized vehicles delivered by Red River Army Depot

PROJECTED ACTIVITIES

- **2QFY05** Full materiel release for XM1151/1152 expected
- **2QFY05** HMMWV repower test vehicle contracts award
- **1QFY06** HMMWV repower production contract award
- **2QFY06** HMMWV repower initial operating capability



CONTRACTORS

AM General (South Bend, IN)
O'Gara-Hess & Eisenhardt (Fairfield, OH)
GEP (Franklin, OH)
Defiance (Defiance, OH)
GM (Warren, MI)

INVESTMENT COMPONENT

Recapitalization

ACQUISITION PHASE

- Production and Deployment