

➤ Assault Amphibious Vehicle RAM/RS Program

DESCRIPTION

The Assault Amphibious Vehicle (AAV) Reliability, Availability, Maintainability/Rebuild to Standard (RAM/RS) acquisition program will increase the Marine Corps' ability to logistically support the AAV7A1. The program replaces the AAV suspension



system with one derived from the U.S. Army's Bradley Fighting Vehicle (BFV). The AAV7A1's current 400-horsepower engine will be replaced with a 525 horsepower Cummins V903 engine, also derived from the BFV. The HS-400 transmission will be rebuilt

with modifications, including a new torque converter, to change it to the HS-525 configuration. The remainder of the vehicle will be rebuilt to original specifications. In addition, the Marine Corps will improve the AAV's safety, communication, and survivability features by acquiring modification kits, which include Enhanced Applique Armor Kit (EAAK).

OPERATIONAL IMPACT

To meet USMC commitments to the war on terrorism, the supportability of the current AAV must be enhanced to keep this vehicle viable until the full fielding off the AAV in FY 2018.

PROGRAM STATUS

RAM/RS production started in FY 1999 and will run through FY 2003 to produce 680 vehicles (599 P-variants, 46 C-variants and 35 R-variants).

PROCUREMENT PROFILE: **FY03** **FY04**

Quantity:

RAM	85	0
EAAK	57	70

DEVELOPER/MANUFACTURER

Hull modification: United Defense, L. P.
(Marine Corps Systems Division), Albany, GA

Engines: Cummins Incorporated, Columbus, IN
Vehicle disassembly, component rebuild and vehicle assembly:
Marine Corps Logistics Bases, Albany, GA and Barstow, CA