



Description

The AH-64 is the U.S. Army's primary attack helicopter. It is used to destroy, disrupt or delay enemy forces during the day, night or during adverse weather conditions.

Wars and other Military Operations

AH-64s were used in at least the following wars and military operations: Panama (1989-1990), Iraq (1991), Yugoslavia (1995-1996), Iraq (1991), Yugoslavia (1999), Afghanistan (2001-present) and Iraq (2003). (See page 31.)

Weapons

The AH-64's principal mission is the destruction of "high-value targets." Its weapons systems include the following:
 M230 AGM-114 AIM-9
 Hydra-70 AGM-122 AIM-92
 (For details, see "Bombs, Guns and Missiles," pp. 32-37.)

Canadian War Shows

The AH-64 has "performed" for audiences at Canadian "air shows," including one in Saskatoon (SK).

Prime

CPP Investments ✓

Contractors:

(See pp. 6-7)

Boeing McDonnell Douglas Helicopter Systems (USA), General Electric (USA) and Martin Marietta (USA).

Canadian Parts and Services

The following is a partial list of Canadian companies and the parts and/or services they provided for the AH-64:

ATI Technologies: graphics processor for flight simulators
BAE Systems Canada Inc: Circuit card assembly
Bristol Aerospace: 70mm (2.75 inch) Hydra rockets and Wire Strike Protection System

CAE Electronics: upgrading Combat Mission Simulators

Canadian Commercial Corp. (companies undisclosed):

- Aircraft Ground Servicing Equipment
- Engine Instruments

Cercast: castings

CMC Electronics: (1) Circuit card assembly, (2) indicator panel, (3) systems to control voice & data transmission

Derlan Aerospace Canada: develop and test new "split-torque" face transmission gears

Litton Canada: instrument displays

Magellan Aerospace: Aeroengine components and/or Airframe-mounted components

Northrop Grumman, Canadian Operations: (1) a computer to integrate fire control and targeting operations for all onboard weapons; (2) Intelligent Keyboard for Airborne Data Entry, (3) LED displays and rugged flat panel display systems providing situational awareness

Northstar Aerospace: Transmission system

Virtual Prototypes Inc.: software tools to prototype and deploy the avionics instruments



Description

This attack/fighter "jump jet" can take off and land vertically, like a helicopter. This Vertical/Short Take-Off or Landing (V/STOL) capability makes it particularly well-suited to the special combat and expeditionary requirements of the Marine Corps. It provides offensive air support to the Marine Air-Ground Task Force.

Wars and other Military Operations

AV-8Bs were used in at least the following wars and military operations: Iraq (1991), Somalia (1992-1994), Yugoslavia (1995-1996), Yugoslavia (1999), Afghanistan (2001-present) and Iraq (2003). (See page 31.)

Weapons

The AV-8B has a fuselage-mounted gun system that fires 25mm bullets and can fire both 2.75 inch and 5 inch rockets. It can also "deliver" up to 9,000 pounds of munitions for the following weapons systems:

AIM-9L/M	CBU-100	GBU-16	MK-82
CBU-99	GBU-12	MK-77	MK-83

Nuclear: The AV-8B was formerly tasked to "deliver" B61 tactical nuclear bombs.

(For details, see "Bombs, Guns and Missiles," pp. 32-37.)

Canadian War Shows

This warplane has "performed" for audiences at Canadian "air shows," including the following:
 Abbotsford (BC), Hamilton (ON), Lethbridge (AB), Ottawa (ON), Sarnia (ON), Toronto (ON).

Prime

CPP Investments ✓

Contractor

(See pp. 6-8)

McDonnell Douglas (USA) under an agreement with the **British Aerospace Corporation (UK)**

Canadian Parts and Services

The following is a partial list of Canadian companies and the parts and/or services they provided for the AV-8B:

CAE: fast jet simulation systems

Canadian Marconi Co.: Misc. communication equipment

Dowty Canada Ltd: Outrigger landing gear

DY 4: Single Board microprocessor/computer

Hypernetics Limited: Hypernetics Limited electromagnetic indicators, flags, shutters and annunciators

Northrop Grumman, Canadian Operations: Ring Laser Gyro Inertial navigation system

Lucas Industries Canada: Hypermechanical parts for gas turbine starter control

Rolls Royce (Canada): Gas turbine jet engine parts

West Heights Manufacturing: unspecified parts