



## 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 Contractors:** **CPP Investments✓**  
(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 Contractor:** **CPP Investments✓**  
(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