The Aircraft

• Single engine, two-place (tandem seat), pressurized, low-wing training aircraft manufactured by Hawker Beechcraft Corporation, Wichita, Kansas.

• Approved for day or night VFR and IFR flights.

• Aircraft powered by a Pratt & Whitney PT6A-68 free turbine turboprop engine with a Hartzell four-bladed propeller.

• Each cockpit is equipped with a Martin Baker (0/0) ejection seat with the capability to safely eject from zero altitude, zero speed, up to 35,000 feet at speeds up to approximately 370 KIAS.

• It utilizes a single side opening, non-jettisoning canopy that covers both cockpits.

• The environmental control system is designed to provide automatic temperature (60-90° F) and pressurization control. Pressurization starts approaching 8,000 feet. An 8,000 foot cabin altitude is maintained until differential pressure of 3.6 +/- 0.2 is reached at 18,069 feet. Service ceiling is 31,000 feet and your cabin altitude would be approximately 16,600 feet.

• The landing gear is a tricycle-type which is electrically controlled hand hydraulically operated.

• Ground control steering is through the use of rudder and differential braking and hydraulically operated nose wheel steering.

• Aircraft is fitted with electrically controlled and hydraulically operated split flaps and a single speed brake located between the flaps.

• Primary flight controls are operated manually and feature electric trim. All flight controls and avionics can be operated from either cockpit.

Aircraft Weights

Aircraft basic weight: 5040 pounds.
Maximum takeoff weight: 6900 pounds.
Maximum landing weight: 6900 pounds.
Maximum zero fuel weight: 5850 pounds.
Maximum weight in baggage compartment: 80 pounds.
Aircraft Dimensions

97" DIAMETER

33' 5"

10' 8"

33' 4"

11' 4"
Press and hold unlock button to open
ISS MODE SELECTOR
(REAR COCKPIT, LEFT CONSOLE)
Data Transfer System / Digital Video Recorder

Rear Cockpit
Right Side Concole
Brake Reservoir Filler Plug
Rear Cockpit Donor assembly with plungers fired
SSK MODE SELECTOR SWITCH

ADU/RADIO BEACON CABLES
(pull back seat cushion to verify 2 cables connected to the seat)
Front Canopy Transparency
Rear Cockpit Transparency
Canopy Lock Release Handle
(pull to release lock)
5 Over Centering Hooks and Guide Pins
EXTERNAL CFS HANDLE
Port Aileron trim tab
(adjustable by maintenance only)
GLARE SHIELD

Anti collision (Strobe) light

NAV LIGHT

Position light
FUEL CAP

FUEL TANK
JET FUEL ONLY
SINGLE POINT REFUELING/DEFUELING ADAPTER
FUEL FILTER BYPASS INDICATOR (POPPED WHEN BYPASSED)

FUEL FILTER

MAINTENANCE FUEL SHUTOFF VALVE
PORTSIDE ENGINE COMPARTMENT

LATCHES SHOW ORANGE WHEN UNSECURED

INERTIAL SEPARATOR EXIT DUCT
HOT BATTERY BUS CIRCUIT BREAKERS
ENGINE DRIVEN LOW PRESSURE FUEL PUMP

EXTERNAL OIL SCAVANGE PUMP

MAIN BATTERY
NOSE GEAR SISSOR ASSEMBLY

JACKPAD (STOWED)
MAINTENANCE ACCESS DOOR

Bleed Air and Hydraulic Shutoff valves
Bleed Air and Hydraulic shutoff valves

Bleed Air and Hydraulic shutoff valves (Demo)
FUEL VENT
PRIMARY PITOT TUBE
GLARE SHIELD
Position light
Anti collision (Strobe) light
NAV LIGHT
Starboard Aileron Trim Tab (adjustable by Maintenance only)

Static Wicks

STARBOARD EXTERNAL CFS HANDLE ACCESS

Fuel cap
Starboard Aileron Trim Tab (adjustable by Maintenance only)
FUEL DRAINS
MARKER BEACON
DME
VHF/UHF COMM
GPS
ELT (inside strake cover)
Upper TRANSPONDER/UHF
UPPER TCAS
NAV/ILS (ONE ON EACH SIDE OF VERTICAL STAB)
LOWER TRANSPONDER (VISIBLE FROM PORTSIDE)
LOWER TCAS (Visible from below between main mounts)
RADAR ALTIMETER (underneath, flush mount one each side)
Starboard Avionics Bay
Elevator Trim Tab
(adjustable from cockpit)
External Ground Power Receptacle
ABEAM:
Transition when required

90°
450 FT AGL
120/115/110 KIAS

180°
800 FT AGL
120 KIAS

FINAL /GROOVE
150-250 FT AGL
ON CENTERLINE
1200-1500 FT FROM LANDING
110/105/100 KIAS

DOWNWIND