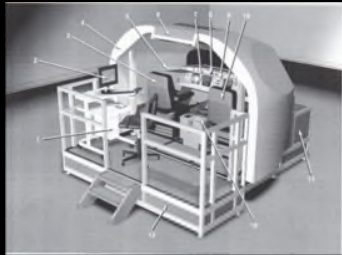


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Item Number	Name	Item Number	Name
1	Electronic rack	6	Flight control unit
2	19-inch LCD and control	7	EC-AMIS
3	EC-AMIS	8	EC-AMIS
4	Captain's seat	9	First Officer's seat
5	Overhead panel	10	First Officer's seat
6	Overhead panel	11	First Officer's seat
7	Overhead panel	12	First Officer's seat
8	Overhead panel	13	First Officer's seat
9	Overhead panel	14	First Officer's seat
10	Overhead panel	15	First Officer's seat



FOR SALE

Atlantis A320 FAA level 4/FTD Flight Training Device

GENERAL DESCRIPTION

The Atlantis Level 4+ A320 FTD is a partially enclosed mockup of an A320 series cockpit on a fixed base. The main components of the system include a flight crew station, instructor station, and electronics rack. The FTD is equipped with limited capability manual flying controls, side sticks, and rudder pedals.

Flight Crew Station:

A forward instrument panel (A320 series) with glare shield, FMS, cockpit displays (PFDs, NDs, ECAMs), flight instruments, and controls.

A pedestal assembly with MCDUs, thrust levers, trim wheels, flap lever, speed brake, and controls and switches found on an A320 aircraft.

An overhead panel corresponds to the overhead panel in the A320 cockpit.

Captain's and First Officer's side console with side sticks.

Captain's and First Officer's sets of rudder pedals.

Captain's and First Officer's seats.

Instructor Station:

A 19-inch touchscreen color LCD mounted on a swivel arm attached to the frame behind the Captain's seat.

An instructor station equipped with a computer with a recordable CD ROM drive, keyboard, and mouse. This is a stand-alone, movable station.

Electronic Rack mounts:

A 19-inch rack mount attached to the forward section of the base (behind the forward instrument panel).

A separate computer cabinet on wheels housing two computers, and an I/O computer chassis.

The cockpit structure: is spatially correct for relative distances between cockpit components, for angles between cockpit panels, and for instrument, switch, and display component sizes.

A320 COCKPIT COMPONENTS

The following list contains the component make-up of the A320 FTD cockpit. The components are classified as follows:

Functional - Components that function in both normal and abnormal operation as per the A320 Flight Crew Operating Manual (FCOM).

Non-functional - Components that have the physical appearance of normal aircraft hardware but do not interact with the simulation in any way.

Graphic - Components that are represented by Lexan artwork.

Absent - Components that are neither physically nor graphically replicated.

1. Forward Instrument Panels

- Glareshield
- Autoland lights (L/R) - functional
- Master Warning (L/R) - functional
- Master Caution (L/R) - functional
- Chrono pushbutton (L/R) - functional
- Side Stick Priority Lights (L/R) - functional
- FCU control panels (L/R) - functional
- EFIS Control Panels (L/R) - functional
- Baro Reference Display Window - functional
- Captain's Instrument Panel
- Baro Reference Selector - functional
- GPWS/GS Indicator Lights - functional
- PFD BRT/OFF - functional
- PFD/ND XFR - functional
- ND BRT/OFF - functional
- Loudspeaker Switch/Volume Control - Non-functional
- Console/Foot Lighting Control Switch - Non-functional
- Sidestick/Rudder Pedals - partially functional
- Centre Instrument Panel
- DDRMI - graphic
- ECAM Display Upper - functional
- ECAM Display Lower - functional
- Landing Gear Status - functional
- Auto/Brake A/Skid Nose Wheel - functional
- Brake Cooling Fan Switch - functional
- Landing Gear Lever - functional
- Brake Pressure Indicator - functional
- Clock - partly functional/graphic, clock indication only
- TERR on ND Switch - Non-functional
- First Officer's Instrument Panel
- GPWS/GS Indicator Lights - functional
- PFD BRT/OFF - functional
- PFD/ND XFR - functional
- ND BRT/OFF - functional
- Loudspeaker Switch/Volume Control - Non-functional
- Console Lighting Control Switch - Non-functional
- Sidestick/Rudder Pedals - partially functional

Available Malfunctions

The following malfunctions, organized by system, are available:

ATA 21:
SYS 1 FAULT SYS 2 FAULT AFT CAB DUCT
OVHT
EXCESS CAB ALT (No door fault)

ATA 23:
RMP 1 FAULT

ATA 24:
GEN 1 FAULT GEN 2 FAULT IDG 1 OIL
OVHT
IDG 2 OIL OVHT AC BUS 1 FAULT AC BUS
2 FAULT AC ESS BUS FAULT DC BUS 1
FAULT DC BUS 2 FAULT DC ESS BUS
FAULT
TR1 FAULT
TR2 FAULT

ATA 26:
ENG 1 FIRE (2 Bottles)
ENG 2 FIRE (2 Bottle)
ENG 1 FIRE (Inextinguishable) ENG 2 FIRE
(Inextinguishable) APU FIRE
ENG 1 LOOP A FAULT
ENG 1 LOOP B FAULT

ATA 27:
ELAC 1 FAULT ELAC 2 FAULT SEC 1
FAULT SEC 2 FAULT SEC 3 FAULT
FLAPS LOCKED (F.I.P.) SLATS LOCKED
(F.I.P.)
SFCC Fault
Left Spoiler 3 Fault

ATA 28:
R XFR VALVE CLOSED L TK PUMP 1 LO
PR
R TK PUMP 1 LO PR
L TK PUMP 1+2 LO PR R TK PUMP 1+2 LO
PR CTR TK PUMP 1 LO PR

ATA 29:
G RSVR LO LVL
Y RSVR LO AIR PR B RSVR LO LVL
B RSVR OVHT
Y ELEC PUMP LO PR
PTU FAULT

ATA 30:
ENG 1 VALVE CLSD ENG 2 VALVE CLSD
ENG 1 VALVE OPEN ENG 2 VALVE OPEN L
WING VALVE OPEN R WING VALVE
CLOSED

ATA 31:
DMC 1 FAULT DMC 2 FAULT DMC 3 FAULT
PFD 1 Fault
PFD 2 Fault
ND 1 Fault
ND 2 Fault
UPPER ECAM Fault
LOWER ECAM Fault

ATA 32:
LGCIU 1 FAULT LGCIU 2 FAULT DOORS
NOT CLOSED (Left)
GEAR NOT UPLOCKED (Left)
GEAR NOT DOWNLOCKED (Right) GEAR
NOT DOWN (Normal Extension)
GEAR UPLOCK FAULT (Left) BRAKES HOT

ATA 34:
ILS TX Fault G/S TX Fault ELS RX 1 Fault
1LS RX 2 Fault AVNCS SMOKE
RA 1 FAULT
RA 2 FAULT ADR 1 FAULT ADR 2 FAULT
ADR 3 FAULT
ATT DISCREPANCY (Pitch +6 deg) ATT
DISCREPANCY (Roll +6 deg) GPS 1 FAULT

ATA 36:
ENG 1 BLEED LEAK
ENG 2 BLEED LEAK APU BLEED LEAK

ATA 70:
ENG 1 FAIL
ENG 2 FAIL
ENG 1 IGN FAULT (Single Igniter)
ENG 2 IGN FAULT (Single Igniter)
ENG 1 START VALVE FAULT (F.I.P.)
ENG 2 START VALVE FAULT (F.I.P.)
ENG 1 LOW N1 (Start)
ENG 2 START FAULT (Hot)
ENG 1 START FAULT (Hung)
ENG 2 THR LEVER FAULT (Fail in T/O
Position)
ENG 1 THR LEVER FAULT (Fail Idle-Ground,
CLB-In Air) ENG 2 THR LEVER FAULT (Fail
Idle-Ground, CLB-In Air)

MISC:
FMGC 1 FAULT FMGC 2 FAULT FWD
CARGO (No pressurization)



2. Pedestal Assembly

MCDU (L/R) - functional
RMP (L/R) - functional
Audio Control Panel (L/R) - SATCOM - partly functional
Lighting Panel (L/R) - partly functional
Weather Radar Panel - graphic
Switching - functional
ECAM Control - functional
Thrust lever Quadrant
Thrust Levers - functional
Reverse Thrust Lockouts - functional
Pitch Trim Wheels - partially functional
Engine Master Switches - functional
Engine Mode Selector Switch - functional
Speed Brake Lever - functional
Rudder Trim Control Panel - functional
Flaps Lever - functional
Parking Brake - functional
Gear Extension Handcrank - functional
ATC Control Panel - graphic, non-functional
ACARS Display - absent
Printer - graphic

3. Overhead Panel

Functional light plates are present for all functional and non-functional sub-panels.
ADIRS - functional (except ADIRS Keypad - graphic)
DATA switch
TEST - functional
PPOS - functional
FLT CTL (L/R) - functional
EVAC - Non-functional
Emergency Electric Panel - functional
EGPWS Panel - functional
Cockpit Voice Recorder Controls - Non-functional (Ground Control light -functional)
Passenger Oxygen Panel - Non-functional (Crew Supply - functional)
Cabin Flight Crew Calls Panel - Non-functional (Emergency call light functional)
Rain Repellent Pushbuttons (L/R) - Non-functional
Wiper Control Switches (L/R) - Non-functional
Fire Control Panel - functional
Hydraulic Control Panel - functional (Ram Air Turbine Switch - functional)
Fuel Control Panel - functional
Electrical Power Control Panel - functional (Battery Indicators (1/2) - graphic)
Galley Pushbutton Switch - Non-functional
Air Conditioning control panel - functional
RAM Air Pushbutton - functional
Anti-Ice Control Panel - partly functional
Exterior Lights Control Panel - Non-functional
Probe/Window Heat - Non-functional
APU Control Panel - functional
Cabin Pressure Control Panel - functional
Interior Lights Panel - Non-functional (Ovhd Integ Lt Control - functional)
Cabin Signs Control Panel - functional
Emergency Exit Lights Switches - functional
Audio Control Panel - graphic
Radio Management Panel - graphic
Aft Cargo Heat Control Panel - functional
Cargo Smoke Control Panel - functional
Ventilation Control Panel - functional
Manual Engine Start Control Panel - functional.