

Zhuhai Xiang Yi Aviation Technology Co., Ltd.



Boeing 737-300 FFS #1

Technical information



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- **General Information**

SIMULATOR:

B737-300 FFS#1
 Manufacture: CAE Inc. Montreal, Canada
 Computer: IBM RS/6000 Model 530
 Certification: Level C, Semi-Annually qualified by CAAC
 In Service Date: 1992.10
 Location: Zhuhai, Guangdong, P.R. of China

VISUAL:

Manufacturer: LINK MILES, England
 Computer: Intel SYS286/310AP-42
 Type of Image Generator: IMAGE IV-500
 Type of Display: AWARDS Field of View: 40°x150°
 Illumination Levels: Day/Dusk/Night

INSTRUCTOR STATION:

Manufacturer: CAE Inc. Montreal, Canada
 Computer: 2 SGI IRIX computers
 Type: 2x19" color touch-sensitive CRTs and additional pushbuttons

MOTION AND CONTROL LOADING:

Manufacturer: CAE Inc. Montreal, Canada
 Type: CAE 550 Series with Digital Motion and Control Loading, Motion 6 DOF

SPECIAL TRAINING AIDS:

TCAS: Not Available
 ACARS: Not Available
 GPS: Not Available
 ATIS: Not Available
 GPWS Available
 Windshear training: Available
 Number of Malfunctions: More than 200
 Automated Lessons for: Transition training
 Base Check
 Line Oriented Flight Training (LOFT)
 Recurrent
 Customer specified lessons available on request



• **General Information**

cont'd

DATA PACKAGES:

Aerodynamic Data Revision: BAC Doc.:
D6-37908, Rev B;D6-37909, Rev B;D6-37910, Rev
B; D6-37911, Rev B;D6-37912, Rev C

Engine Model and Data Revision: CFM56-3B2
BAC Doc.: D6-37461, Rev G

Flight Controls Data Revision: BAC Doc. :D6-37908, Rev B

Flight Management System: Lear Siegler LSI 168925-05-01

SIMULATED AIRPLANES:

Airplane Model: B737-3Y0

MTOW: 61,234 kgs

MLW: 51,709 kgs

MZFW: 48,307 kgs

Attitude Callouts: 500,100,50,40,30,20,10,Minimums
Different Callout types are available on request

Cockpit Layout: Boeing B737-3Y0 Tail Number: PM403

AIRCRAFT TYPE / ENGINE:

Engine Manufacturer: CFM

Supplied Combinations: B737-300 with CFM56-3B2 Rating 22000LBS



- **Update Information**

Simulator Updates have been done since RFT:

Item	Description	Finish Time	Vendor	Qualification
1	Rudder Update	2001.3	CAE	Passed CAAC recurrent qualification in 2001.6
2	Simulator Printer Update	2006.11	ZHFTC	N/A
3	QTG Latency Plotter Update	2009.2	ZHFTC	Passed CAAC recurrent qualification in 2009.2



- **Visual Databases**

Certificate scenes

The certificate scenes are Beijing/Capital (ZBAA), Shanghai/Hongqiao (ZSSS).

Including the certificate scenes, the following airports are selected from the instructor station for training:

Real airports

Boeing/King Co Intl	(KBFI)	Seattle-Tacoma Intl	(KSEA)
New Tokyo Intl	(RJAA)	Subang Kuala Lumpur Intl	(WMKK)
Penang Intl	(WMKP)	Beijing/Capital	(ZBAA)
Shanghai/Hongqiao	(ZSSS)		

Generic airports

A generic airport means that a single runway (different lengths) with a taxiway and a terminal on the left or right side of the runway is modeled. A variety of training environments can be created by software setting, such as mountains, cities, terminals, PAPI/VASI...



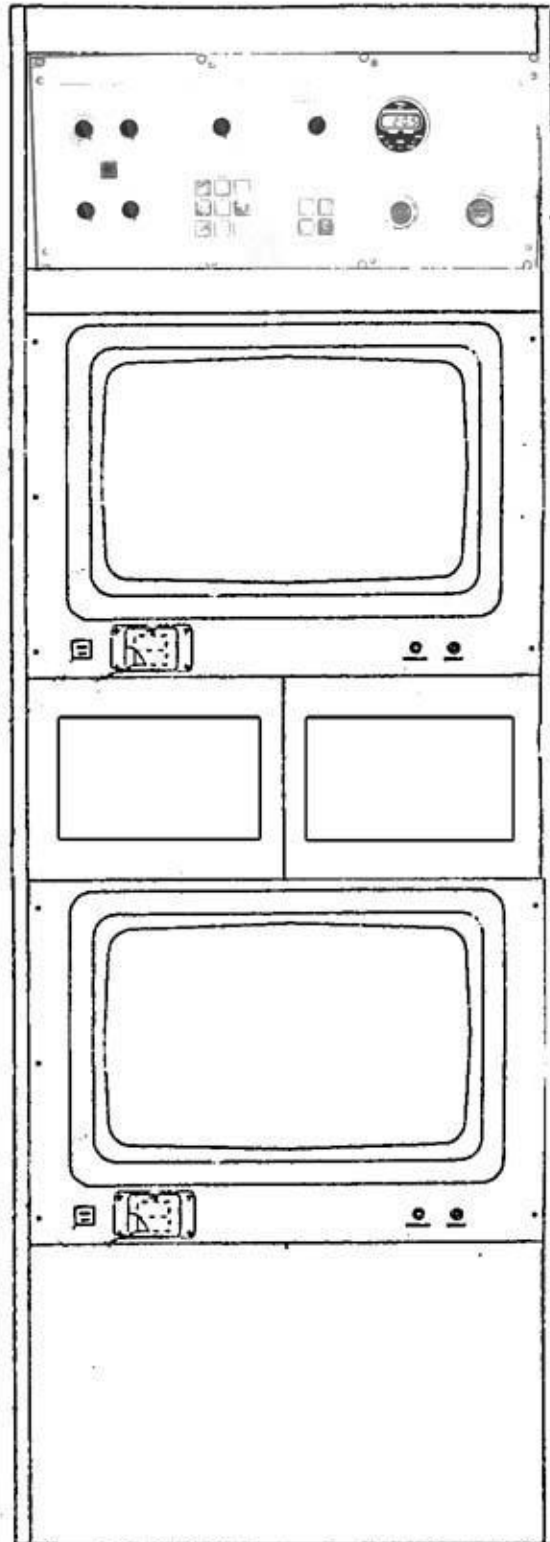
Navigation Database

The present used navigation database is base on the training for China Southern Airlines pilots.

On request it might be possible to use different databases, if they are compatible to our system.

However, the use of different navigation databases has to be agreed with Xiang Yi Flight Training's engineering department in advance.

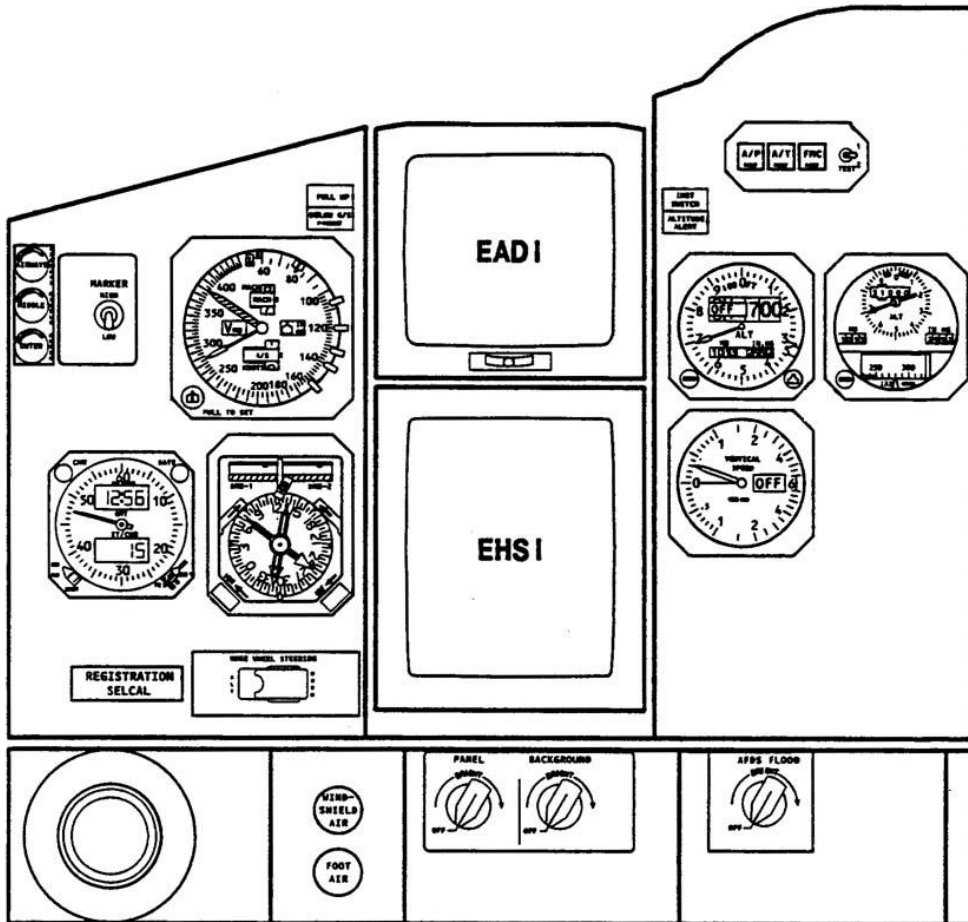
- **Instructor Station Layout**



INSTRUCTOR STATION

- Cockpit Layout

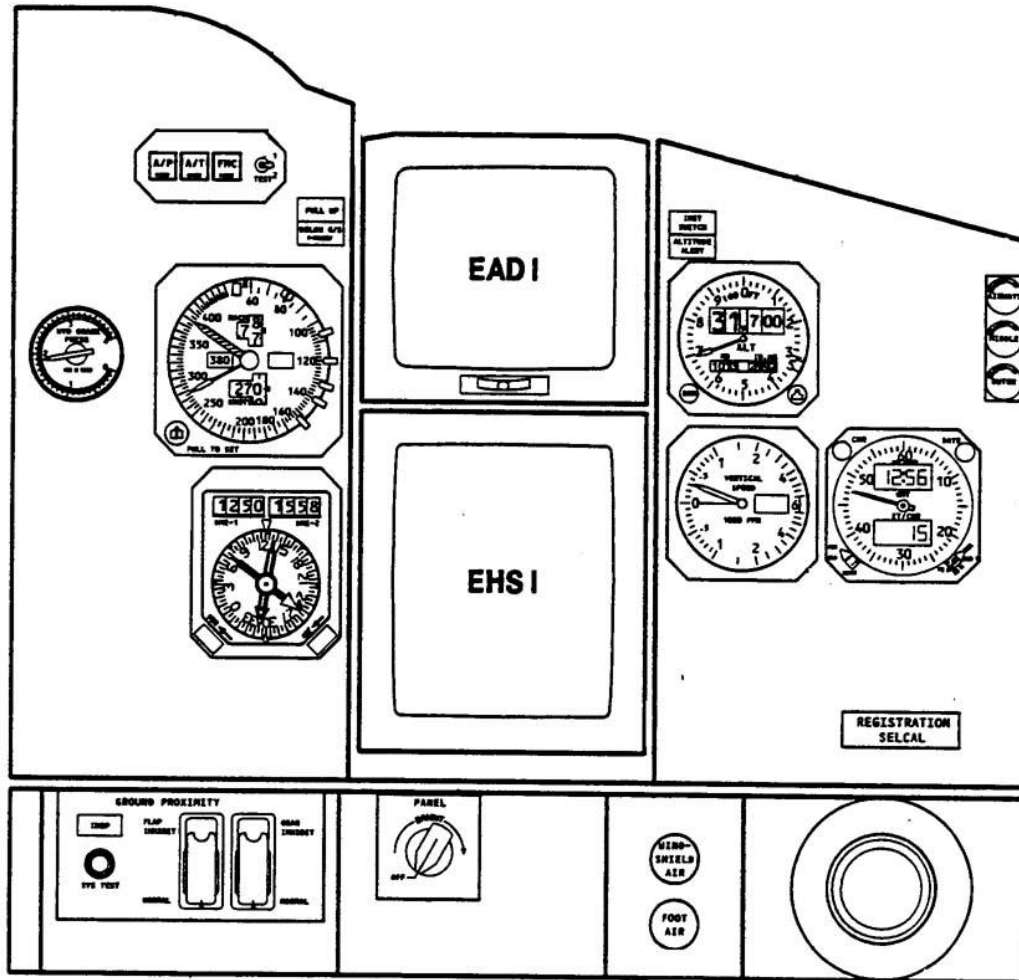
Captain's Panel



CAPTAIN INSTRUMENT PANEL

• Cockpit Layout cont'd

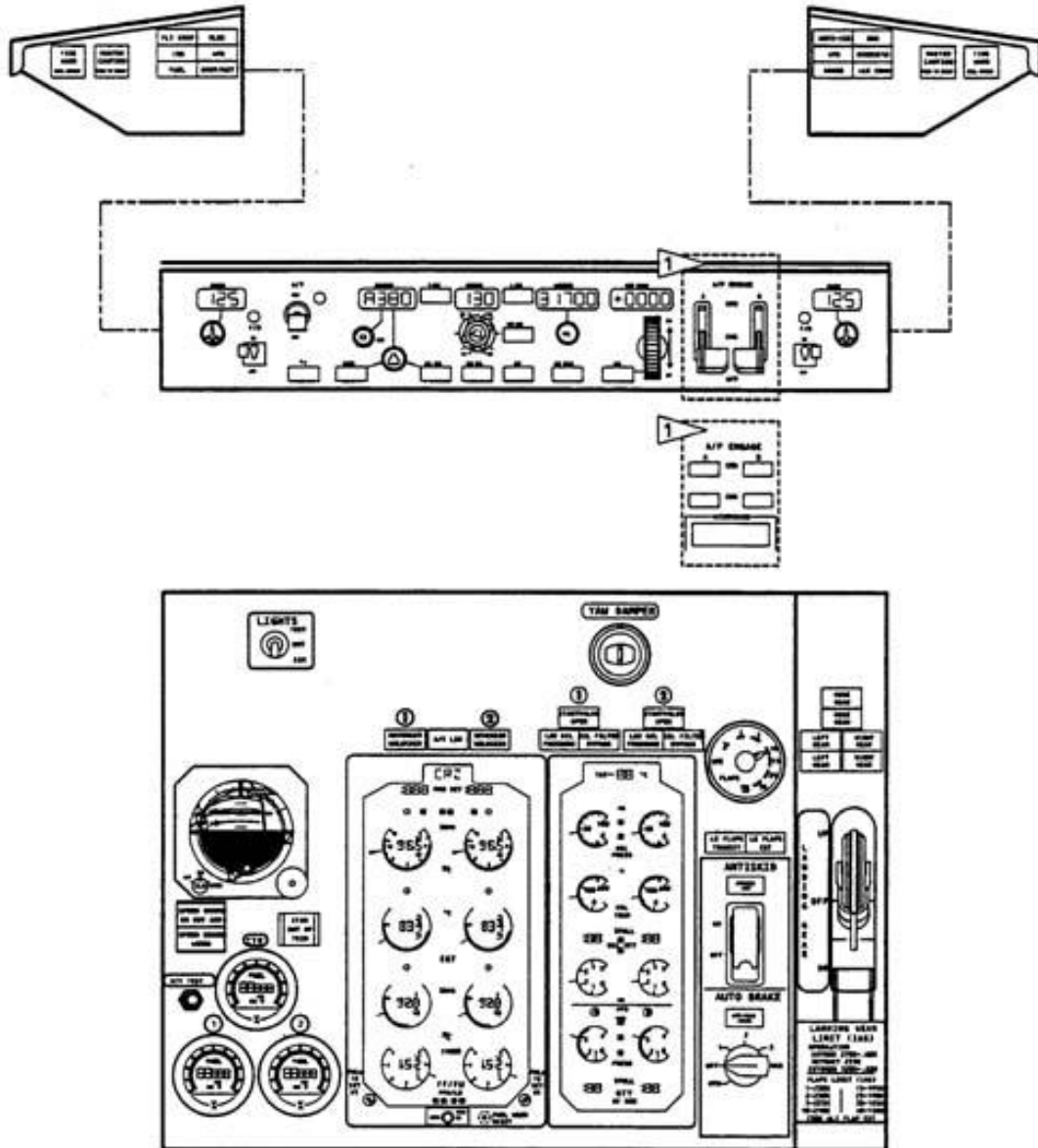
First Officer's Panel



FIRST OFFICER INSTRUMENT PANEL

- Cockpit Layout cont'd

Pilot's Lightshield and Center Panel

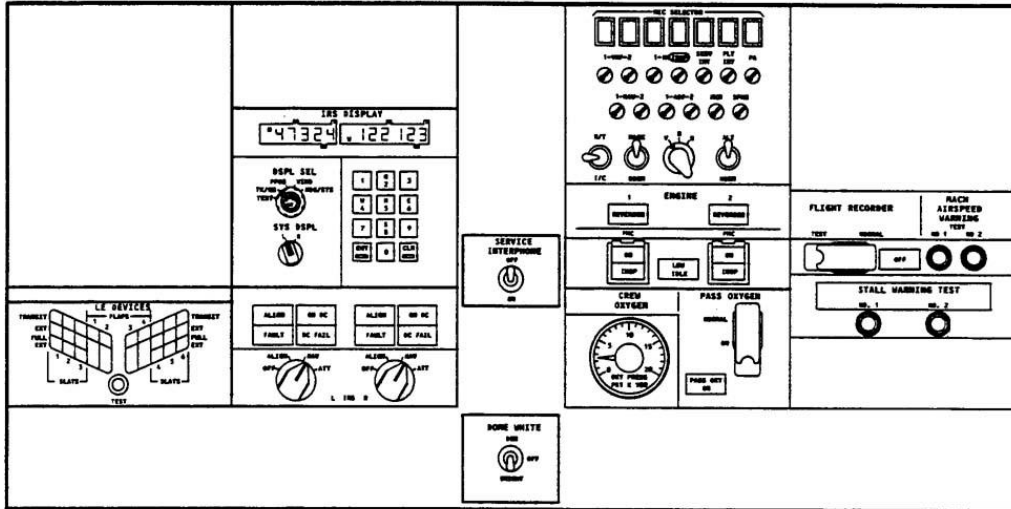


1 As installed

CENTER INSTRUMENT PANEL & LIGHT SHIELD

- Cockpit Layout cont'd

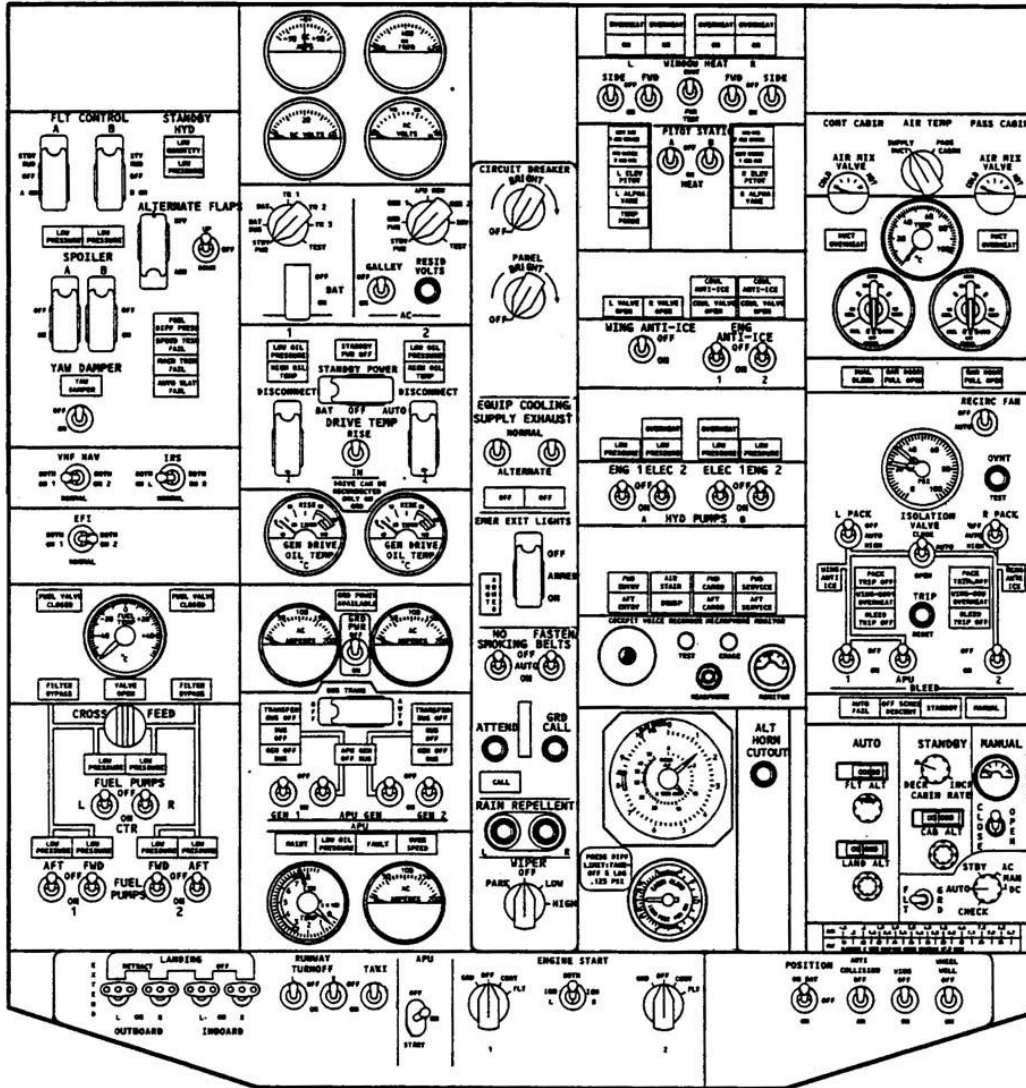
Aft Overhead Panel



AFT OVERHEAD PANEL

• Cockpit Layout cont'd

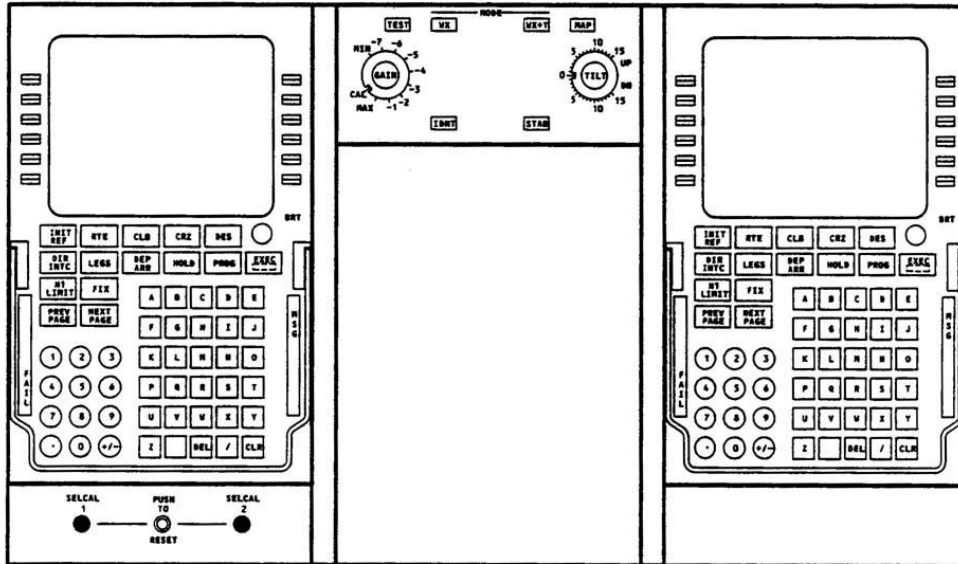
Forward Overhead Panel



FORWARD OVERHEAD PANEL

- Cockpit Layout cont'd

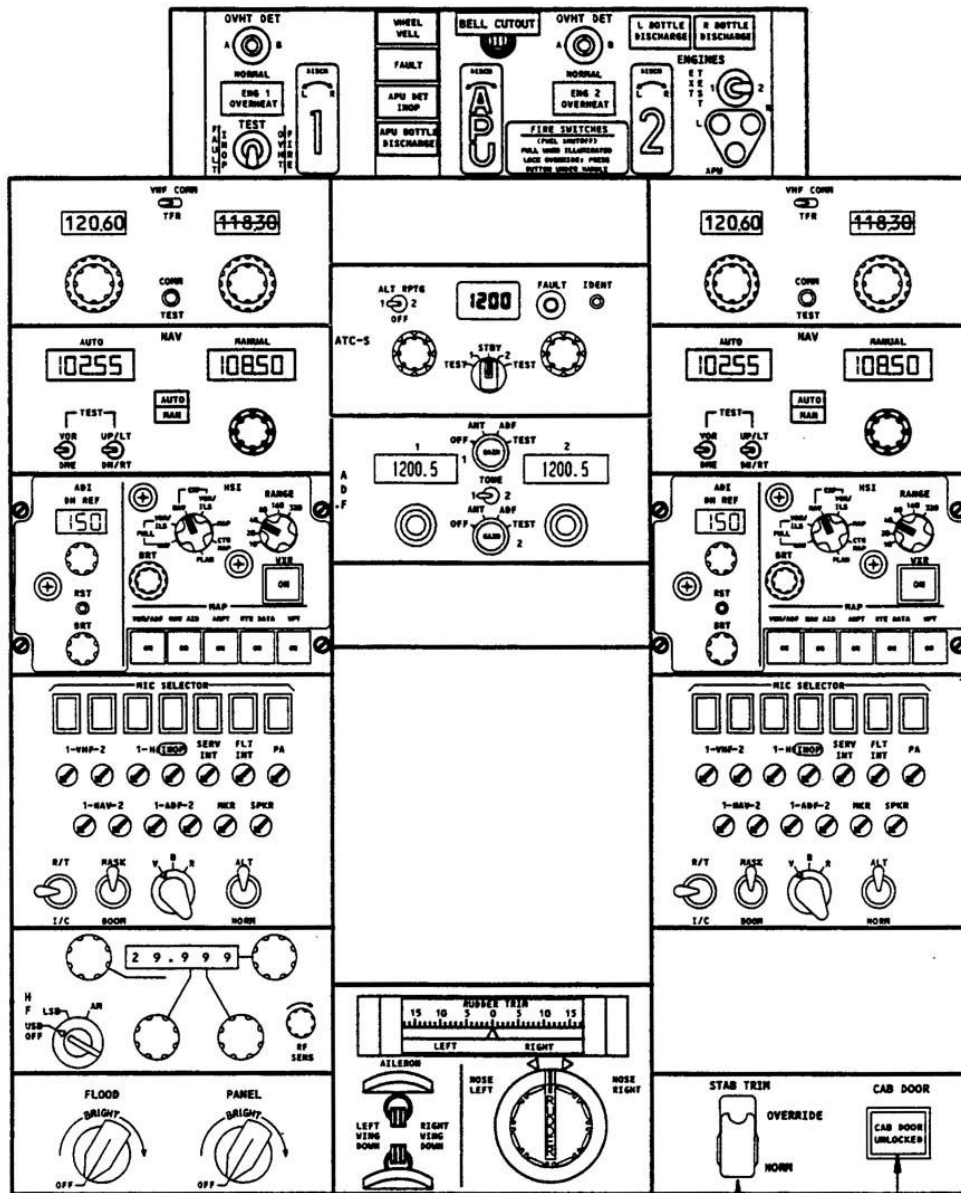
Forward Electronic Panel



FORWARD ELECTRONIC PANEL

• Cockpit Layout cont'd

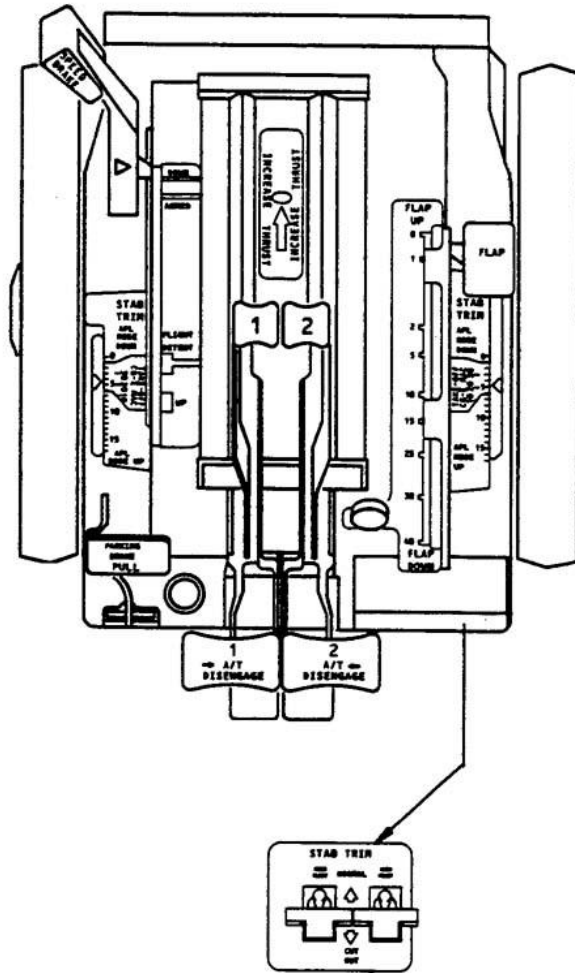
Aft Electronic Panel



AFT ELECTRONIC PANEL

- Cockpit Layout cont'd

Control Stand



CONTROL STAND

- **Aircraft Avionic**

		Parts Number	Vender	Version
Original Aircraft Box	CDU	166891-01-01	LEAR SIEGLER	
	MCP	4051601-938	HONEYWELL	
	FMC	168925-05-01	LEAR SIEGLER	
	EADI	622-7998-013	ROCKWELL COLLINS	
	EHSI	622-7999-013	ROCKWELL COLLINS	
	EFIS SG	622-9436-100	ROCKWELL COLLINS	
	GPWS	965-0648-005	SUNDSTRAND	
Simulated Aircraft Box	IRS	HG1050AD04	HONEYWELL	
	FCC	4051600-913	HONEYWELL	
	A/T	755SUE1-1	SMITH	