



AIRCRAFT SPECIFICATIONS

MODEL:	B727-223 ADV	MAX. TAXI WEIGHT:	178,500 lbs
MANUFACTURER:	Boeing Aircraft Company	MAX. GROSS TAKE-OFF WT.:	178,000 lbs
SERIAL NUMBER:	20990	MAX. LANDING WEIGHT:	154,500 lbs
LINE NUMBER:	1184	MAX. ZERO FUEL WEIGHT:	138,000 lbs
REG. NUMBER:	N849AA	MFGRS. EMPTY WEIGHT:	----- lbs
DATE OF MANUFACTURE:	April 27, 1976	OPERATORS WEIGHT EMPTY:	102,700 lbs
CURRENT OPERATOR:	American Airlines	PAYLOAD:	35,300 lbs

AIRFRAME STATUS

TIME AS OF:	August 31, 2001	MTX. PROGRAM:	American's Mtx. Program:
TOTAL AIRFRAME HOURS:	66,863	"A" check @ 65 hour intervals; "B" check @ 475 hour intervals;	
TOTAL AIRFRAME CYCLES:	41,879	"C" check @ 3,000 hour intervals; Heavy "C" check @ 14,000	
TIME SINCE "HC" CHECK:	12,782 hours	hour intervals; Landing gear overhaul @ 28,000 hour / 3,650 day	
TIME SINCE "C" CHECK:	2,326 hours	intervals.	
MOD. STATUS:	FAR Part 121 Compliant – FAR Part 36 Stage III Compliant		
LANDING GEAR TSO:	Nose = 12,782 hrs / 11-18-96; LH / RH = 12,782 hrs / 11-21-96		

ENGINE STATUS

ENGINE TYPE:		JT8D-9A		ENGINE MANUFACTURER:		Pratt & Whitney		
ENGINE MTX. PROGRAM:		On Condition with Pratt & Whitney Life Limits						
POS.	SERIAL NUMBER	TOTAL TIME	TOTAL CYCLES	TSLSV		FIRST LIMIT	REMAINING TO DISC:	
				HOURS	CYCLES		HOURS	CYCLES
1	665301	78,801	51,858	1,711	878	2,438 hours	2,438/T4	3,790/Variou
2	665205	79,599	51,538	6,468	3,340	392 hours	392/C4	1,155/C4
3	666214	58,387	36,086	5,312	2,731	393 hours	393/C8-C13	2,784/C8-C13

***NOTE:** Data for ESN 665301 is current as of September 25, 2001; data for ESN 665205 and 666214 is current as of August 29, 2001.

GENERAL DATA

FUEL CAPACITY:	52,700 POUNDS @ 6.7	INTERIOR:	Passenger Configuration: 12 first class and 126
	7,866 U.S. GALLONS		economy class seats; 4 galley units (1 forward and 3 aft);
FUEL SYSTEM:	Standard		3 lavatories (1 forward and 2 aft).



**PHYSICAL SURVEY REPORT
AMERICAN AIRLINES
B727-223 ADV
REG. N849AA S/N 20990**

AVIONICS INVENTORY

<u>Nomenclature</u>	<u>Manufacturer</u>	<u>Model / Part No.</u>
Weather Radar	Bendix	RDR-1F
ACARS Optional Auxiliary Terminal	Litton	463630-02-01
ILS Compass Rack, No. 1 & 2	Sperry	614937-101
Steering Computer, No. 1 & 2	Collins	562A-5F
Instrument Amplifier, No. 1 & 2	Collins	344C-1B
Flight Instrument Accessory Unit	Boeing	65-60214-106
Comparator Warning Monitor	Collins	54W-1
VHF Nav., No. 1	Collins	51RV-1
VHF Nav., No. 2	Bendix	RNA-34A
Global Positioning System	Trimble	HT9100
Upper Yaw Damper	Sperry	4030952-901
Lower Yaw Damper	Sperry	2588880-901
Air Data Computer, No. 1	Honeywell	HG480B13
Air Data Computer, No. 2	Honeywell	ABB4321
Battery Charger	Eldec	2-301-3
Pitch Control Channel A	Sperry	4030950-901
Roll Control Channel	Sperry	2585805-6
Auto Pilot Accessory Unit	Boeing	65-24917-72
Performance Data Computer	Lear Siegler	163356-85-01
Static Inverter	General Electric	3S2060DB108B1
Battery	Saft	016833000
Anti-Skid	Crane	Mark II
Cabin Temperature Controller	Garrett	54A376-4
Fire / Overheat Detect Accessory Unit	Boeing	65-24920-3
Left Window Heat Controller, No. 1 & 2	Pacific Electro	231-2
Right Window Heat Controller, No. 1 & 2	Pacific Electro	231-2
Landing Gear Accessory Unit	Boeing	65-60211-36
Marker Beacon	Bendix	MKA-28C
ATC Mode S Transponder, No. 1	Bendix / King	TRA-67A
ATC Mode C Transponder, No. 2	King	KXP7500
DME, No. 1 & 2	Collins	860E-4

AVIONICS INVENTORY

continued

<u>Nomenclature</u>	<u>Manufacturer</u>	<u>Model / Part No.</u>
Maintenance Cargo Fire Unit	Simmonds Precision	301A5-0102
VHF Comm., No. 1	Collins	618M-3
VHF Comm., No. 2	King	KTR9100A
Selcal	Motorola	NA136
Passenger Address Amplifier	Gables	G-947B
ACARS Management Unit	Teledyne	2225671-18A
Audio Accessory Unit	Boeing	65-52804-13
Radio Altimeter	Collins	860F-1
P.A. Accessory Unit	Boeing	65-26200-9
GPWS / Windshear	Sundstrand	Mark VII
ADF	Collins	51Y-4
RFU	Claircom	1013893-0001
Power Supply Unit	Claircom	1013487-0001
Base Band Unit	Claircom	1013973-0002
ACAS II Processor (Enhanced)	Honeywell	TPA-81A
Vertical Gyro, No. 1 & 2	Bendix	19917-2C
Directional Gyro, No. 1 & 2	Sperry	2588302-4
Voltage Regulator, No. 1-3	Westinghouse	905D977-4
Load Control, No. 1-3	Sundstrand	700662A
Generator Control Panel, No. 1-3	Westinghouse	902F242-5
Transformer Rectifier, No. 1-3	Eldec	2-299
Bus Protection Panel	Westinghouse	902F283-2
APU Voltage Regulator	Westinghouse	905D977-4
APU Generator Control Panel	Westinghouse	902F242-5
Digital Flight Data Recorder	Allied Signal	980-4120-RXUS
Cockpit Voice Recorder	Fairchild	A100A



**JT8D-9A
LIFE LIMITED PART SUMMARY
S/N 665301**

Total Engine Hours:	78801	TSEHM:	10148
Total Engine Cycles:	51858	CSEHM:	5379
As of:	9/25/2001	TSHSI:	10148
		CSHSI:	5379
		TSR:	1711
		CSR:	878

Stage	Part Number	Serial Number	Total Hours	Total Cycles	Hour Limit	Cycle Limit	Hours Remaining	Cycles Remaining
Low Pressure Compressor								
C1 DISC	848001	BBDUAJ7484	17536	9310	N/A	20000	N/A	10690
C2 DISC	745902	BBDUAN4469	10148	5379	16000	19000	5852	13621
C3 DISC	799773	S10796	27495	16210	30000	20000	2505	3790
C4 DISC	799504	R92283	27495	16210	30000	20000	2505	3790
C5 DISC	713105	S09717	27495	16210	30000	20000	2505	3790
C6 DISC	745706	R86744	27495	16210	30000	20000	2505	3790
High Pressure Compressor								
C7 DISC	774407	S14034	27280	16110	30000	20000	2720	3890
C8 DISC	748608	S19151	27495	16210	30000	20000	2505	3790
C9 DISC	701509	NENCAH2456	10148	5379	30000	20000	19852	14621
C10 DISC	772510	BENCAM7082	10148	5379	30000	20000	19852	14621
C11 DISC	772511	R30927	27495	16210	30000	20000	2505	3790
C12 DISC	798512	BENCAM8540	10148	5379	30000	20000	19852	14621
C13 DISC	5003613-01	S23083	27495	16210	30000	20000	2505	3790
High Pressure Turbine								
T1 DISC	587501	AH7136	18737	10362	30000	20000	11263	9638
Low Pressure Turbine								
T2 DISC	802522	S29333	18356	10176	30000	16000	11644	5824
T3 DISC	618703	AJ5333	18356	10176	30000	16000	11644	5824
T4 DISC	769104	R76196	27562	15760	30000	20000	2438	4240

First Hour Limit - 2438 T4 DISC
First Cycle Limit - 3790 C3-C6, C8, C11, C13 DISCS

Note: This engine is currently installed in the number 1 position on aircraft registration number N849AA. The last heavy maintenance and hot section inspection were accomplished on May 20, 1997 by American Airlines; the last repair was accomplished on September 22, 2000 by American Airlines. This engine is currently high utilization; if or when engine becomes low utilization, SB 6038 will be due on December 26, 2005.



JT8D-9A
LIFE LIMITED PART SUMMARY
S/N 665205

Total Engine Hours:	79599	TSLSV:	6468
Total Engine Cycles:	51538	CSLSV:	3340
As of:	8/29/2001		

Stage	Part Number	Serial Number	Total Hours	Total Cycles	Hour Limit	Cycle Limit	Hours Remaining	Cycles Remaining
Low Pressure Compressor								
C1 DISC	817401	N95705	31987	19320	N/A	20000	N/A	680
C2 DISC	790832	BBDUAM9291	11628	6084	30000	20000	18372	13916
C3 DISC	799773	BBDUAM3394	11628	6084	30000	20000	18372	13916
C4 DISC	799504	N33600	29608	18845	30000	20000	392	1155
C5 DISC	713105	R58780	25484	14803	30000	20000	4516	5197
C6 DISC	745706	R31860	15888	11804	30000	20000	14112	8196
High Pressure Compressor								
C7 DISC	774407	R12412	29576	17952	30000	20000	424	2048
C8 DISC	787208	R24905	24124	14295	30000	20000	5876	5705
C9 DISC	701509	P98586	29576	17952	30000	20000	424	2048
C10 DISC	772510	S01329	27691	13694	30000	20000	2309	6306
C11 DISC	772511	N57871	29419	18175	30000	20000	581	1825
C12 DISC	815612	BENCAR2030	6468	3340	30000	20000	23532	16660
C13 DISC	5003613-01	P93693	29576	17952	30000	20000	424	2048
High Pressure Turbine								
T1 DISC	587501	R71960	29506	16523	30000	20000	494	3477
Low Pressure Turbine								
T2 DISC	802522	S29555	11628	6084	30000	16000	18372	9916
T3 DISC	618703	BLDLBM6616	11628	6084	30000	16000	18372	9916
T4 DISC	769104	L76986	21174	13311	30000	20000	8826	6689

First Hour Limit - 392 C4 DISC
First Cycle Limit - 1155 C4 DISC

Note: This engine is currently installed in the number 2 position on aircraft registration number N849AA. The first cycle limit does not reflect the C1 disc as this disc can be replaced on-wing and does not require a shop visit. As reported by American Airlines, AD 98-12-07 (SB 6038) is next due on February 17, 2006, or at next access, if high utilization.



**JT8D-9A
LIFE LIMITED PART SUMMARY
S/N 666214**

Total Engine Hours:	58387	TLSLV:	5312
Total Engine Cycles:	36086	CSLSV:	2731
As of:	8/29/2001		

Stage	Part Number	Serial Number	Total Hours	Total Cycles	Hour Limit	Cycle Limit	Hours Remaining	Cycles Remaining
Low Pressure Compressor								
C1 DISC	848001	BBDUAP4317	9894	5128	N/A	20000	N/A	14872
C2 DISC	745902	BBDUAN4424	9894	5128	16000	19000	6106	13872
C3 DISC	799773	R39278	29070	15447	30000	20000	930	4553
C4 DISC	799504	P45197	28884	17133	30000	20000	1116	2867
C5 DISC	745705	R57482	25935	14845	30000	20000	4065	5155
C6 DISC	745706	AH5336	17424	9361	30000	20000	12576	10639
High Pressure Compressor								
C7 DISC	774407	P81293	28535	16331	30000	20000	1465	3669
C8 DISC	787208	P43689	29607	17216	30000	20000	393	2784
C9 DISC	701509	R45998	29607	17216	30000	20000	393	2784
C10 DISC	772510	R46266	29607	17216	30000	20000	393	2784
C11 DISC	772511	R29968	29607	17216	30000	20000	393	2784
C12 DISC	772512	R45114	29607	17216	30000	20000	393	2784
C13 DISC	5003613-01	R47810	29607	17216	30000	20000	393	2784
High Pressure Turbine								
T1 DISC	587501	S88407	24806	14263	30000	20000	5194	5737
Low Pressure Turbine								
T2 DISC	802522	S29115	23224	12589	30000	16000	6776	3411
T3 DISC	618703	S66027	22215	12220	30000	16000	7785	3780
T4 DISC	769104	M97358	28423	17148	30000	20000	1577	2852

First Hour Limit - 393 C8-C13 DISCS
First Cycle Limit - 2784 C8-C13 DISCS

Note: This engine is currently installed in the number 3 position on aircraft registration number N849AA. As reported by American Airlines, AD 98-12-07 (SB 6038) is next due on September 30, 2006, or at next access, if high utilization.