

Boeing 747-281F



AIRCRAFT DATA

A/C Type & Model: B747-281F
Engine Type: CF6-50E2
Thrust Rating: 51800 lbs
Type C of A: Standard Transport
Manufacture Date: 27FEB1985

WEIGHT and FUEL

Last Weigh Date: 07-Apr-11
Max. T/O Weight: 377842 kg
Max. Taxi Weight: 379203 kg
Max. Zero Fuel Weight: 267619 kg
Max. Landing Weight: 285762 kg
Actual Weight: 156612 kg
BEW Cargo: 156490 kg
OWE Cargo (3 Crew): 157851 kg
Max. Usable Fuel: 51914 gal
Fuel Burn: TBD lb/h

Remarks: - Fuel in lbs
- Res. Tank Config is #1 and #4

AIRFRAME

Total Hours	Total Cycles	Eff. Date
99996.72	18161	06.08.2014

CONFIGURATION

SEATS

Cabin Seats: 8
Flight Deck Crew Seats: 3
Flight Deck Observer Seats: 2
Jump Seats: 1

GALLEY

Galleys Qty: One
Position: Upper Deck
Manufacturer: Jamco
Part Number: NHF749-1
Oven P/N : A233-1
Coffee Maker PN: 411-0001-139
Air Chiller PN 348-5

LAVATORY

Lavatory Qty: One
Position: Upper Deck

Remarks: Inserts for oven, coffee maker installed + two containers
JAMCO bunks (2ea) installed
KOITO INDUSTRIES SEATS - DATA PLATE - NO TSO MARKINGS
L1 AND L5 DOOR ONLY; NOSE CARGO DOOR +SIDE CARGO DOOR - FACTORY FREIGHTER

CARGO

Main Deck Capacity:	29 PALLETS	Cubic Feet:	20500
Main Deck Containers type:	96" Height ULD	Quantity:	UP TO 21
Main Deck Pallets Size:	96/88X125	Quantity:	UP TO 29
Lower Holds Capacity:		Cubic Feet:	6190
Lwr. Holds Pallet/Cont. type:	88x125	Quantity:	FWD 5-4 AFT
No. Lower Cargo Doors:	2	Location:	RH
No. Upper Cargo Doors:	2	Location:	LH+NOSE
Bulk capacity	795 cubic ft	Location:	LWR AFT

Remarks: OVER 96 INCH ULD - 21 UNITS, 20 FT ULD UP TO 13 UNITS.

ENGINE CONFIGURATION

Type Thrust Reversers: Transition Cowl

Engines Model:	S/N	TSN	CSN	EFF. DATE	TSLSV	CSLSV	CY Rem.	Limiter
#1 CF6-50E2	530268	83323:03	14107	06.08.2014	2478:03	487	1333	LPT DISK 2
#2 CF6-50E2	530324	88108:32	14202	06.08.2014	4919:32	937	1613	HPT DISK 2
#3 CF6-50E2	455870	72997:56	29053	06.08.2014	2648:56	524	1171	HPT FWD SHAFT
#4 CF6-50E2	530325	88788:24	15493	06.08.2014	3147:24	650	1465	LPT ROTOR 1

Remarks: ALL ENGINES POST PIP (PRODUCT IMPROVEMENT PARTS)
TR LOCK MODIFICATION INCORPORATED
T/R LOCK MOD. EMBODIED SB 747-78-2150 R2

APU Model:	S/N	P/N	TT	TSR	Limiter
GTCP660-4	P37987	380716-1-7	36807:05	122:24	T1, T2

Remarks:

INSTALL DATE	TSN	TSO	TSR
22.03.2012	36684:41	8441:41	00

INSTALLED 22-Dec-2011; * APU HRS RATIO 0.35% OF AIRCRAFT HRS; APU INFLIGHT PROHIBITED;

LANDING GEAR

Nose Tire Mfg/Size/Ply: 49X19-20, 34 Ply, 245MPH
Nose Wheel P/N: BENDIX 2607081-3
Nose Overhaul Interval: 10Y - DUE FEB 2019 (MSG-3/CPCP)
Main Tire Mfg/Size/Ply: 49X19-20, 34 Ply, 245MPH
Main Wheel P/N: 2607081-3
Main Overhaul Interval: 10Y - DUE MARCH 2019 (MSG-3/CPCP)
Brake Mfg/Model: BENDIX
Brake P/N: 2605662-3

Status:

POS	PN	SN	LIMIT CYC	TOTAL CYC	REM. CYC	EFFECTIVE
Nose	65B01465-21	CP000481	50430	36142	14288	06.08.2014
Left WLG:	65B01464-45	CP000951	50430	36142	14288	06.08.2014
Right WLG:	65B01464-46	CP000954	50430	36142	14288	06.08.2014
LH BLG:	65B01466-23	CP000955	50430	36142	14288	06.08.2014
RH BLG:	65B01466-24	CP000956	50430	36142	14288	06.08.2014

Remarks: Nose and Main L/G Installed at FEB 2014
Removal date is FEB 2019

MAINTENANCE PROGRAM

Program: MSG3
Aircraft active: Yes
If no, date of last flight: N/A

Check Frequency:	Interval	Last	Hrs	Cyc	Date	Sta	Applied By
A	600 Hrs	2A	99627:23	18150	17.May.13	ATH	Athens Aero Services
C	5500 Hrs	4C	99996:72	18161	On Process	CGK	GMF (Garuda)
D	72 M	2D	99116:36	17910	22-June-2011	CGK	GMF (Garuda)

STC-MAJOR MODIFICATION-LIST SUPPLEMENT for AIRFRAME and WEIGHT&BALANCE

SA01387CH FIXED ELT ARMSTRONG AEROSPACE - RESCU 406 MGHZ WITH SW IN COCKPIT
DFDR PARAMETERS MOD NCA-ANA EO 30-31300

SA3060SO AERO UNION CORP. RETRACTABLE - NON-STEERABLE PDU

ST00705SE EGPWS MOD. AFM SUPPL.

SA3122SO TCAS VER. 6-04 & DUAL MODE S TRA-67 UPDATED BY SB TO VER 7.0 - AFM SUPPL.

SA5106NM GPWS MKVII WINDSHEAR - AFM SUPPL.

SB 747-25-3321 COCKPIT DOOR, BALLISTIC PROOF, INSTALLED PER BOEING SB 747-25-3321 - EO 30-25352.

ST00525WI-D 8.33 KHZ CHANNEL SPACING MODIFICATION - EO 70-23581 (COVERS ACARS & VHF 8.33) .
MODE S ELS MODIFICATION PER LH EO 152798 (MINOR)
CVR SOLID STATE PER LH EO 152313
FDR SOLID STATE PER EO 152208

SB 51RV-4/4B/4D/34L FM IMMUNITY INCORPORATED EO 30-34326
PORTABLE ELT TECHTEST 406 MGHZ PN: 500-12Y PER LH EO 152316
METRIC ALTIMETER INSTALLED; RAIN REPELLENT DE-ACTIVATED
PYLON MOD. TERM EO 30-54319, SEC 41 MOD TERMINATED EO 30-53332
LADDER INSTALLED IN E&E COMPT; OZONE CAT. CONVERTER INSTALLED

FLUID TYPE

Hydraulic System: HYJET IV
Engine Oil: MOBIL JET II
CSD & Starter: MOBIL JET II
APU: MOBIL JET II
ACM: MOBIL JET II
Landing Gear Struts: MIL 5606 CastrolAero30

AVIONICS

Remark: Refer to Avionic List





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ATA	DESCRIPTION	P/N	S/N	VENDOR CODE
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22-AUTOPILOT-FLIGHT DIRECTOR

22	"A" PITCH Computer	2590622-935	85042759	V58960
22	"B" PITCH Computer	2590622-935	87053009	V58960
22	"C" PITCH Computer	2590622-935	79031770	V58960
22	"A" ROLL Computer	2590623-913	82062374	V58960
22	"B" ROLL Computer	2590623-913	87022791	V58960
22	"C" ROLL Computer	2590623-909	80031965	V58960
22	Automatic Stabilizer Trim Unit - ASTU	2591415-905	79100834	V58960
22	Stab Trim Interface Unit-STIU	65B47519-11	1441	V89954
22	Autopilot Mon & Logic	2591027-905	79110684	V58960
22	Yaw Damper Computer Up	60B00069-7	7811105	V97896
22	Yaw Damper Computer Lower	60B00069-13	700602	V97896
22	Auto Flight Control Accessory Box No1	65B47520-19	912	VK0656
22	Auto Flight Control Accessory Box No2	65B47521-35	D00037	V89954
22	Auto Throttle Computer	42-020-01	471186	VK0656
22	Accelerometer	2588696-904	s/n *A81681	V58960
22	Accelerometer	2588696-904	s/n 86047714	V58960
22	Panel-Mode Selector	2590624-934	89040940	V58960
22	Panel-Yaw Damper	69B46004-9	*A8168	
22	Annunciator	622-3186-005	1A356	V4V792
22	Annunciator	622-3186-005	0F1057	V4V792
22	A/T Dimmer Accessory Box	65B43701-4	D00118	V81205

23-COMMUNICATION

23	SELCAL Decoder	N1335C	255ARL0027	V01537
23	Solid State Cockpit Voice Recorder	2100-1020-00	103554	
23	VHF COM Receiver/Transmitter No1 618M-5	822-1045-005	5823	
23	VHF COM Receiver/Transmitter No2 618M-5	822-1045-005	8873	
23	VHF COM Receiver/Transmitter No3 618M-5	822-1045-005	5833	
23	HF Receiver/Transmitter No1 628T-2A	622-5377-001	880	V4V792
23	HF Receiver/Transmitter No2 628T-2A	622-5377-001	2306	V4V792
23	HF System Accessory Box	65B47523-19	1272	V89954
23	Adapter RCVR 999-2A No1	622-5510-001	391	V4V792
23	Adapter RCVR 999-2A No2	622-5510-001	273	V4V792
23	HFControl Antenna Coupler No1 309A-17	777-1329-001	9E1354	V4V792
23	HFControl Antenna Coupler No2 309A-17	777-1329-001	0A1591	V4V792
23	Emergency Locator Transmitter (Portable)	500-12YC ID 4206	5940	
25	Emergency Locator Transmitter (Auto Fixed)	RESCU406AF	1152682-01389	
23	Phone Handset (Upper Deck Pax Department)	60B40151-50 HAC Part No 1150050-100	-	V53670
23	Passenger Address	622-4096-002	3334	V4V792
23	Unit-HF Antenna Tunn	777-1328-001	8E1223	V4V792
23	Unit-HF Antenna Tunn	777-1328-001	0J1836	V4V792
23	Cont Panel-VHF	2053396	238	
23	Cont Panel-VHF	2053396	*AFZ32	
23	Cont Panel-VHF	2053396	219	
23	Panel-Audio Selector	G5529	55	V99837
23	Panel-Audio Selector	G5529	51	V99837
23	Panel-Audio Selector	G5529	39	V99837
23	Panel-Audio Selector	G5529	25	V99837
23	Panel-Audio Selector	G5529	56	V99837
23	ULB CVR	DK120	DT0306	
23	Cargo Intercom Amp.	65B47626-1	D00017	V89954
23	P.A. Accessory Box	65B47507-3	n/a	

ATA	DESCRIPTION	P/N	S/N	VENDOR CODE
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24-ELECTRICAL POWER

24	Bus power cont unit	60B00010-27	2018	V07217
24	GCU 2	60B00010-26	2693	V83298
24	GCU 1	60B00010-26	4527	V83298
24	Bus Power Cont Unit 2	60B00010-7	1151	V07217
24	GCU 3	0B00010-26	3741	V83298
24	GCU 4	0B00010-26	3100	V83298
24	APU Batt. Charger	2-792-02	1310	V08748
24	Static Inverter	60B40023-2	2797	V83298
24	Batt. Charger	2-792-02	2073	V08748
24	TRU 1	2-418-05	2136	V08748
24	TRU 2	2-418-05	2135	V08748
24	TRU 3	2-418-05	2142	V08748
24	TRU 4	2-418-05	4404	V08748
24	Main Batt.	F6177	V00026	VF0038

27-FLIGHT CONTROLS

27	PCU-Inboard Elevator	93600-9047	1133X	
27	PCU-Inboard Elevator	93600-9047	1237X	
27	PCU-Outboard Elevator	234700-1005	A8168OUTER	V92003
27	PCU-Outboard Elevator	234700-1005	921	V92003
27	Computer-Elevator	401-13151-10	A8168	V19156

30-ICE AND RAIN PROTECTION

30	Window Heat Cont LH	617154-5	129c-1425	V07217
30	Window Heat Cont RH	617154-5	046c-1917	V07217

31-INSTRUMENTS

31	Flight Data Acquisition Unit	2222601-62	2177	
31	Solid State Digital Flight Data Recorder	2100-4043-00	326443	
31	ULB DFDR	DK120	DU8607	
31	Panel-FDE	2222602-3	218	V98571
31	Quick Access Recorder Model L-3 micro QaR			
31	AIDS Attitude Rate Filter	65B43704-1	D00137	V89954

32-LANDING GEAR

32	Auto Brake Cont	42-319-3	0831A	V81982
32	Anti Skid Cont	60B40027-13	2750518	V81982

34-NAVIGATION

34	Attitude Director Indicator Left	772-5005-007	0K1094	V4V792
34	Attitude Director Indicator Right	772-5005-007	7B2673	V4V792
34	Indicator-Standby Attitude	705-7V9M1	19656	VF6306
34	Inverter-Static (Indicator-Standby Attitude)	TSG420-101	*A8172	VF6306
34	Horizontal Situation Indicator Left	777-1397-001	5B6113	V4V792
34	Horizontal Situation Indicator Right	777-1397-001	0J960	V4V792
34	VHF Navigation Receiver No1 51RV-5	822-0760-002	2018	V13499
34	VHF Navigation Receiver No2 51RV-5	822-0760-002	2011	V13499
34	VHF Navigation Receiver No3 51RV-5	822-0760-002	3265	V13499
34	VOR/LOC No5 ANT SW	BAC 27EEL-1877	-	
34		MI585161	2730	V58960
34	Weather Radar Receiver/Transmitter No2	MI585161	2017	V58960
34	Digital Air Data Computer No1	HG480C1, Series 1	H0027	V94580
34	Digital Air Data Computer No2	HG480C1	H0029	V94580

ATA	DESCRIPTION	P/N	S/N	VENDOR CODE
34	Metric Altimeter	A42748-10-001	138B	V89944
34	ACAS II Processor EHS TPA-81A SW Mod 20/04	066-50000-2620	TPA81A-10957	VU1605
34	TCAS/VS Indicator No1 IVA 81B	066-50002-8102	1859	VU1605
34	TCAS/VS Indicator No2 IVA 81B	066-50002-8102	4951	VU1605
34	ATC/TCAS Control Panel	G7490-06	294	VU1605
34	Mode-S Transponder No1 TRA-67A SW Mod 07-06	066-01127-1601 [1602]	7509	VU1605
34	Mode-S Transponder No2 TRA-67A SW Mod 07-06	066-01127-1601 [1602]	TRA67A-17443	VU1605
34	Marker Beacon Receiver MKA-28C	2087821-2811	3586	V97896
34	DME Receiver/Transmitter No1	622-2921-001	6837	V4V792
34	DME Receiver/Transmitter No2	622-2921-001	13549	V4V792
34	Radio Altimeter Indicator No1	522-4825-004	3309	V4V792
34	Radio Altimeter Indicator No2	522-4825-004	3292	V4V792
34	Radio Altimeter Receiver/Transmitter 860F-4 No1	622-3890-103	1927	V4V792
34	Radio Altimeter Receiver/Transmitter 860F-4 No2	622-3890-103	8729+	V4V792
34	ADF Receiver 51Y-7 No1	777-1492-003	7458	V4V792
34	ADF Receiver 51Y-7 No2	777-1492-003	14171	V4V792
34	INU No1, 32C-A2 Program p/n 7891225-026	7886580-011	01-02478	V99974
34	INU No2, 32C-A2 Program p/n 7891225-026	7886580-011	01-02129	V99974
34	INU No3, 32C-A2 Program p/n 7891225-026	7886580-011	01-01638	V99974
34	MAG-HDG Compass Coupler No1 BAC p/n 60B00045-8	2591201-911	79041472	V58960
34	MAG-HDG Compass Coupler No1 BAC p/n 60B00045-8	2591201-911	81104693	V58960
34	EGPWComputer SW DO178B Level C,D; TDB 438	965-1076-020-216-216	3324	
34	Windshear Accelerometer Doc No 010-0007 FAA-PMA AlliedSignal Eligibility List	979-0223-001	*AAZ01	
34	Altitude Alert Computer	70-200-09	16	V35012
34	Performance Management Computer Program p/n 7891920-417 NAV Data No. 130-11-284	7886800-151NCA	15-00062	
34	Switching Unit	7891760-051	04-00009	V99974
34	Engine Interface Unit	7886880-061	06-00126	V99974
34	Altimeter-Cabin	64141-862-1	328	VF0216
34	Selector	758858-1	*A81682	V73030
34	Probe-Pitot Static L-Lwr	856CC11	193911	V59885
34	Probe-Pitot Static L-Upr	856CC11	200532	V59885
34	Probe-Pitot Static R-Lwr	856CC12	134571	V59885
34	Probe-Pitot Static R-Upr	856CC12	201036	V59885
34	Altimeter-Servo	A4289910016	2321F	V89944
34	Altimeter-Servo	A4289910016	1372	V89944
34	Mode Selector-INU	7883470-011	*A81681	V99974
34	Mode Selector-INU	7883470-011	01-02785	V99974
34	Mode Selector-INU	7883470-011	01-07223	V99974
34	CDU	7891390-011	01-01018	
34	CDU	7891390-011	01-02200	
34	CDU	7891390-011	01-02162	
34	FDI	772-5005-007	OK1094	V4V792
34	FDI	772-5005-007	7B2673	V4V792
34	Antenna-W/R	M1585164-1	1323	
34	IND-W/R	M1585226	1647	V58960
34	IND-W/R	M1585226	1106	V58960
34	Computer-CIWS	60B00689	0G584	
34	TA Display	066-50003-0601	1120	
34	AVTECH Display Switching Unit	1497862	402	
34	AVTECH Display Switching Unit	1497862	405	
34	PNL CONTL	071-01503-3901	22292	V27914
34	CDU-PMS	16008000-011	01-00098	V99974
34	IND-DME	59500000-1	1409	V1K426
34	IND-DME	59500000-1	842	V1K426

ATA	DESCRIPTION	P/N	S/N	VENDOR CODE
34	Panel-LSP	7891770-021	02-00186	V99974
34	IND-Limit PMS	7891780-041	02-00072	V99974
34	Sensor-Magnetic Field	2591438-901	*A81681	V58960
34	Sensor-Magnetic Field	2591438-901	80046013	V58960
34	Ind-Radio Magnetic	36154-1AJ25B1	8904101	V0VVWL8
34	Ind-Radio Magnetic	36154-1AJ25B1	8409105	V0VVWL8
34	INS Batt. 1	27826-002 (605)	10404187	V74025
34	INS Batt. 2	27826-002 (605)	R01466	V74025
34	INS Batt. 3	27826-002 (605)	H02974	V74025
34	Metric Altimeter	A4274810001	n/a	V89944

77-ENGINE INDICATING

77	ENG Vibration	6608M34A	57617S	V95411
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79-ENGINE OIL

79	Oil Pressure Ind.	BNN 3266 (60B00131-103)	n/a	V61349
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