

SPECIFICATION SUMMARY



Boeing B747-400F

Date: 10-JAN-2023

AIRCRAFT IDENTIFICATION

Aircraft Model B747-400F
Manufacture Date 2001
Engines Model CF6-80C2B1F
APU Model PW901A

WEIGHTS` OPERATIONAL

	Metric	US Customary
Maximum Taxi Weight (MTW)	397`801 [Kg]	877`000 [Lbs]
Maximum Take Off Weight (MTOW)	396`893 [Kg]	875`000 [Lbs]
Maximum Landing Weight (MLW)	302`092 [Kg]	666`000 [Lbs]
Maximum Zero Fuel Weight (MZFW)	288`031 [Kg]	635`000 [Lbs]
Operating Empty Weight (OEW)	157`911 [Kg]	348`135 [Lbs]
Fuel Capacity (FC)	203`897 [Ltr]	53`864 [USG]

AIRFRAME STATUS

Total Airframe Hours 93`384
Total Cycles 17`155
Status Date 06 JAN-2023

MAINTENANCE STATUS

A – Check interval 1`000 FH
C – Check interval 10`000 FH / 24 MO
D – Check interval 72 MO

Last A (A05) – Check 15-NOV-2022
Last C (C02) – Check 24 JUN-2022
Last D (D03) – Check 28-FEB-2020

LDG DETAILS	NLG	LH WLG	RH WLG	LH BLG	RH BLG
Part Number	BFG001403	BFG002795	BFG002796	BFG002747	BFG002796
Last Overhaul Date	30-DEC-2022	30-DEC2022	30-DEC2022	30-DEC 2022	30-DEC 2022
Overhaul Due Date	30-DEC-2032	30-DEC 2032	30-DEC 2032	30-DEC 2032	30-DEC 2032
Overhaul Interval	10 Years	10 Years	10 Years	10 Years	10 Years
Status Date	30-NOV 2022	30-NOV 2022	30-NOV-2022	30-NOV-2022	30-NOV 2022
ENGINE / APU DETAILS	Engine 1	Engine 2	Engine 3	Engine 4	APU
Manufacturer	GE	GE	GE	GE	P&W
Model	CF6-80C2B1F	CF680C2B1F	CF6 80C2B1F	CF6-80C2B1F	PW901A
ENGINE / APU STATUS	Engine 1	Engine 2	Engine 3	Engine 4	APU*
Total Time Since New	72`226	62`115	67`712	35`750	31`381
Total Cycles Since New	13`767	11`858	14`009	6`533	26`988
Last Shop Visit Date	27-FEB 2019	TBA	29-MAY-2020	TBA	30 SEP-2020
Scope of Shop Visit	Overhaul	TBA	Overhaul	TBA	Repair
Hours Since Last Shop Visit	9`309	8`673	11`914	2`921	3`753
Cycles Since Last Shop Visit	2`478	1`776	2`378	`622	2`210
First LLP Limiter	1`421	4`997	4`011	1`646	3`012
Status Date	31-DEC-2022	30-NOV-2022	31-DEC-2022	30-NOV 2022	30-NOV-2022

*APU TOTAL HOURS SINCE LAST OVERHAUL: 9`616
TOTAL CYCLES SINCE LAST OVERHAUL: 6`788

ENGINE Pos.#1 – LLP

Engine Type: CF6-80C2B1F		TSN: 72'226	TSLSV: 9'309	Date: 31-DEC-2022	
NO.	PART NAME	PART NUMBER	TOTAL CYCLES	LIFE LIMIT CYCLES	REMAINING CYCLES
LPC ROTOR ASSY					
1)	DISK - STAGE 1 FAN	1856M89P01	10'239	20'000	9'761
2)	SPOOL - STAGE 2-5 FAN	1856M71P06	13'497	20'000	6'503
3)	SHAFT - FAN FORWARD	1855M57G01	13'497	20'000	6'503
4)	SHAFT - FAN MIDDLE	1862M48P02	13'497	20'000	6'503
HPC ROTOR ASSY					
5)	DISK - SATGE 1 HPCR	1644M21P04	11'811	20'000	8'18 9
6)	DISK - STAGE 2 HPCR	9380M27P08	11'811	20'000	8'18 9
7)	SPOOL - STG 3-9 HPCR	1856M15G02	11'009	20'000	8'991
8)	SEAL - ROTATING-CDP	1347M31P01	11'811	20'000	8'18 9
9)	SPOOL SHAFT-STG 10-14 HPCR	1703M49G04	11'009	20'000	8'991
HPT ROTOR ASSY					
10)	DISK - HPT STAGE 1 ROTOR	1531M84G12	13'579	15'000	1'421
11)	SPACER IMPELLER-HPT	1539M12P02	2'478	15'000	12'522
12)	VANE - DIFFUSER RING	9290M28P15	11'811	15'000	3'189
13)	DISK - HPT STAGE 2 ROTOR	9362M43P09	2'478	15'000	12'522
LPT ROTOR ASSY					
14)	DISK - LPT STAGE 1 ROTOR	1863M21P01	6'908	20'000	13'092
15)	DISK - LPT STAGE 2 ROTOR	1863M22P01	11'375	20'000	8'625
16)	DISK - LPT STAGE 3 ROTOR	1863M23P01	11'375	20'000	8'625
17)	DISK - LPT STAGE 4 ROTOR	1863M24P01	11'375	20'000	8'625
18)	DISK - LPT STAGE 5 ROTOR	1863M 25P01	11'375	20'000	8'625
19)	SHAFT - TORQUE CONE	9382M59P10	11'375	20'000	8'625
					LOWEST LIMITER 1'421

ENGINE Pos.#2 – LLP

Engine Type:		TSN:	62'115	TSLSV:	8'673	Date:
CF6-80C2B1F		CSN:	11'858	CSISV:	1'776	30-NOV-2022
NO.	PARTNAME	PART NUMBER	TOTAL CYCLES	LIFE LIMIT CYCLES	REMAINING CYCLES	
LPC ROTOR ASSY						
1)	DISK - STAGE 1 FAN	1856M89P01	13'956	20'000	6'044	
2)	SPOOL - STAGE 2-5 FAN	1782M80P01	13'282	20'000	6'718	
3)	SHAFT - FAN FORWARD	1855M57G01	13'282	20'000	6'718	
4)	SHAFT - FAN MIDDLE	1862M48P02	13'282	20'000	6'718	
HPC ROTOR ASSY						
5)	DISK - STAGE 1 HPCR	1644M21P04	15'003	20'000	4'997	
6)	DISK - STAGE 2 HPCR	9380M27P08	15'003	20'000	4'997	
7)	SPOOL - STG 3-9 HPCR	1856M15G02	5'831	20'000	14'169	
8)	SEAL - ROTATING-CDP	1347M31P01	15'003	20'000	4'997	
9)	SPOOL SHAFT-STG 10-14 HPCR	1708M49G04	12'197	20'000	7'803	
HPT ROTOR ASSY						
10)	DISK - HPT STAGE 1 ROTOR	2116M75P01	6'671	15'000	8'329	
11)	SPACER IMPELLER-HPT	1539M12P02	1'776	15'000	13'224	
12)	DISK - HPT STAGE 2 ROTOR	9362M43P09	1'776	15'000	13'224	
13)	VANE - DIFFUSER RING	2047M10P01	1'776	15'000	13'224	
LPT ROTOR ASSY						
14)	DISK - LPT STAGE 1 ROTOR	1863M21P01	13'282	20'000	6'718	
15)	DISK - LPT STAGE 2 ROTOR	1863M22P01	13'282	20'000	6'718	
16)	DISK - LPT STAGE 3 ROTOR	1863M23P01	13'282	20'000	6'718	
17)	DISK - LPT STAGE 4 ROTOR	1863M24P01	13'282	20'000	6'718	
18)	DISK - LPT STAGE 5 ROTOR	1863M25P01	13'282	20'000	6'718	
19)	SHAFT - TORQUE CONE	9382M59P10	13'282	20'000	6'718	
						LOWEST LIMITER
						4'997

ENGINE Pos.#3 – LLP

Engine Type:	TSN: 67'712	TSLSV: 11'914	Date:
CF6-80C2B1F	CSN: 14'009	CSLSV: 2'378	31-DEC-2022

NO.	PART NAME	PART NUMBER	TOTAL CYCLES	LIFE LIMIT CYCLES	REMAINING CYCLES
LPC ROTOR ASSY					
1)	DISK - STAGE 1 FAN	1856M89P01	6'600	20'000	13'400
2)	SPOOL - STAGE 2-5 FAN	1782M80P01	14'976	20'000	5'024
3)	SHAFT - FAN FORWARD	185 5M57 G 01	14'861	20'000	5'139
4)	SHAFT - FAN MIDDLE	1862M48P02	14861	20'000	5'139
HPC ROTOR ASSY					
5)	DISK - SATGE 1 HPCR	1644M21P04	6'600	20'000	13'400
6)	DISK - STAGE 2 HPCR	938 0M27P08		20'000	13'400
7)	SPOOL - STG 3-9 HPCR	1856M15G02		20'000	13'400
8)	SEAL - ROTATING-CDP	1347M31P01		20'000	13'400
9)	SPOOL SHAFT-STG 10-14 HPCR	1703M49G04		20'000	6'518
HPT ROTOR ASSY					
10)	DISK - HPT STAGE 1 ROTOR	2116M 75P 01	2'378	15'0 00	12'622
11)	SPACER IMPELLER-HPT	1539M12P02	6'600	15'000	8'400
12)	VANE - DIFFUSER RING	9290M28P15	6'600	15'000	8'400
13)	DISK - HPT STAGE 2 ROTOR	9362M43P09	2'378	15'000	12'622
LPT ROTOR ASSY					
14)	DISK - LPT STAGE 1 ROTOR	1863M21P01	15'989	20'000	4'011
15)	DISK - LPT STAGE 2 ROTOR	1863M22P01	15'989	20'000	4'011
16)	DISK - LPT STAGE 3 ROTOR	1863M23P01	15'989	20'000	4'011
17)	DISK - LPT STAGE 4 ROTOR	1863M24P01	15'989	20'000	4'011
18)	DISK - LPT STAGE 5 ROTOR	1863M25P01	15'989	20'000	4'011
19)	SHAFT - TORQUE CONE	938 2M5 9P10	15'989	20'000	4'011
					LOWEST LIMITER
					4'011

ENGINE Pos.#4 – LLP

Engine Type:	TSN: 35'750	TSLSV: 2'921	Date:
CF6-80C2B1F	CSN: 6'533	CSSLV: '622	30-NOV-2022

NO.	PARTNAME	PART NUMBER	TOTAL CYCLES	LIFE LIMIT CYCLES	REMAINING CYCLES
LPC ROTOR ASSY					
1)	DISK - STAGE 1 FAN	1856M89P01	6'533	20'000	13'467
2)	SPOOL - STAGE 2-5 FAN	1856M71P06	14'135	20'000	5'865
3)	SHAFT - FAN FORWARD	1855M57G01	6'533	20'000	13'467
4)	SHAFT - FAN MIDDLE	1862M48P0 2	6'533	20'000	13'467
HPC ROTOR ASSY					
5)	DISK - SATGE 1 HPCR	1644M21P04	13'614	20'000	6'386
6)	DISK - STAGE 2 HPCR	9380M27P08	10'756	20'000	9'244
7)	SPOOL - STG 3-9 HPCR	1856M15G02	13'882	20'000	6'118
8)	SEAL - ROTATING-CDP	1347M31P01	10'756	20'000	9'244
9)	SPOOL SHAFT-STG 10-14 HPCR	1703M49G04	13'882	20'000	6'118
HPT ROTOR ASSY					
10)	DISK - HPT STAGE 1 ROTOR	1531M84G12	13'354	15'000	1'646
11)	SPACER IMPELLER-HPT	1539M12P02	6'533	15'000	8'467
12)	DISK - HPT STAGE 2 ROTOR	9362M43P09	12'874	15'000	2'126
13)	VANE - DIFFUSER RING	9290M28P15	10'351	15'000	4'649
LPT ROTOR ASSY					
14)	DISK - LPT STAGE 1 ROTOR	1863M21P01	13'142	20'000	6'858
15)	DISK - LPT STAGE 2 ROTOR	1863M22P01	13'142	20'000	6'858
16)	DISK - LPT STAGE 3 ROTOR	1863M23P01	13'142	20'000	6'858
17)	DISK - LPT STAGE 4 ROTOR	1863M24P01	13'142	20'000	6'858
18)	DISK - LPT STAGE 5 ROTOR	1863M25P01	13' 14	20'000	6'858
19)	SHAFT - TORQUE CONE	9382M59P 10	13'142	20'000	6'858
					LOWEST LIMITER
					1'646

MAJOR AVIONICS EQUIPMENT

ABBREVIATION	DESCRIPTION	VENDOR	PART NUMBER	QTY
ATA - 22 AUTO FLIGHT				
FCC	FLIGHT CONTROL COMPUTER	ROCKWELL COLLINS	822-1261-101	3
FCU	FLIGHT CONTROL UNIT (MODE CONTROL PANEL)	ROCKWELL COLLINS	822-1492-101	1
FMC	FLIGHT MANAGEMENT COMPUTER	HONEYWELL	4052508-952	2
ATA - 23 COMMUNICATIONS				
VHF	VERY HIGH FREQUENCY TRANSCEIVER	HONEYWELL	064-50000-0110	3
HF	HIGH FREQUENCY TRANSCEIVER	ROCKWELL COLLINS	822-0990-002	2
SATCOM	SATELLITE COMMUNICATIONS SYSTEM	HONEYWELL	7516100-20060	1
ACARS (CMU)	AIRCRAFT COMMUNICATION ADDRESSING AND REPORTING SYSTEM	ROCKWELL COLLINS	822-1239-101	1
SELCAL	SELECTIVE CALLING SYSTEM DECODER	AVTECH	1200008-000	1
CVR	COCKPIT VOICE RECORDER	L3-COMM	S200-0012-00	1
ATA - 31 INDICATING/RECORDING SYSTEMS				
FDR	FLIGHT DATA RECORDER	HONEYWELL	980-4700-042	1
DMU	DATA MANAGEMENT UNIT	HONEYWELL	967-0611-001	1
FDIMU	FLIGHT DATA INTERFACE & MANAGEMENT UNIT	BOEING	285U0071-206	1
ATA - 34 NAVIGATION				
ADC	AIR DATA COMPUTER	HONEYWELL	4040800-911	3
IRU	INERTIAL REFERENCE UNIT	HONEYWELL	HG1050AE15	3
MMR	MULTI-MODE RECEIVER	ROCKWELL COLLINS	822-1821-002	3
LRRA	LOW RANGE RADIO ALTIMETER TRANSCEIVER	THOMSON	9599-607-14940	3
WR	WEATHER RADAR TRANSCEIVER	ROCKWELL COLLINS	822-1710-001	2
TCAS II 7.1	TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM COMPUTER	ACSS	7517900-10020	1
TCAS II 7.0	TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM COMPUTER	ACSS	7517900-10004	1
EGPWS	ENHANCED GROUND PROXIMITY WARNING SYSTEM COMPUTER	HONEYWELL	965-0976-003-212-222	1
DME	DISTANCE MEASURING EQUIPMENT INTEROGATOR	ROCKWELL COLLINS	822-0329-001	2
ATC	AIR TRAFFIC CONTROL TRANSPONDER	ROCKWELL COLLINS	822-1338-005	2
ADF	AUTOMATIC DIRECTION-FINDING RECEIVER	ROCKWELL COLLINS	822-0299-001	2
VOR	VERY HIGH FREQUENCY OMNI-DIRECTIONAL RANGE RECEIVER	ROCKWELL COLLINS	822-0297-001	2

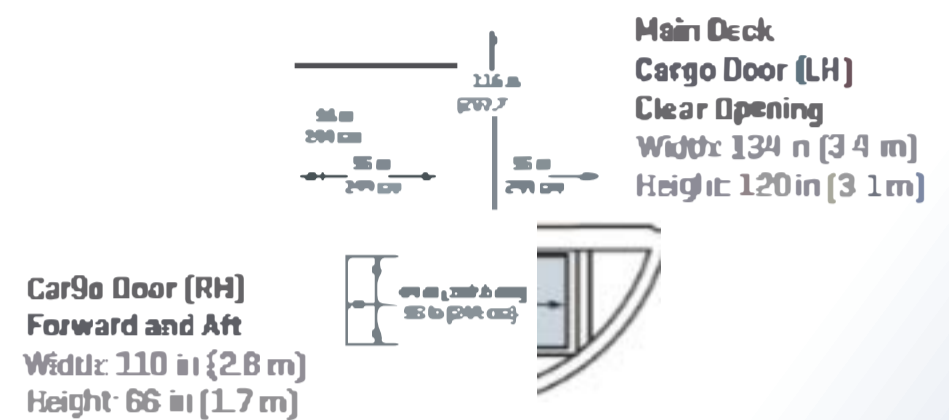
CARGO CONFIGURATION

Cargo Configuration	Bulk and CLS	Designee (Fire Detection/Protection) class	" E "
Cargo Volume	783 m ³	Containers	YES
Max Payload	130`120 Kg	Nose Cargo Door(s)	See Below
Main Deck Volume	608 m ³	Side Cargo Door	See Below
Lower Deck Volume	175 m ³	Low Deck Cargo Door	See Below

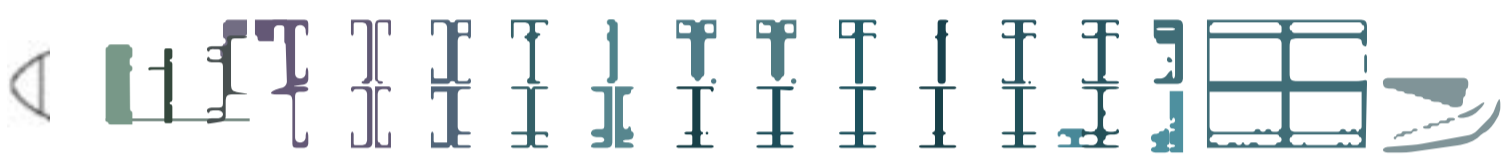
Specifications for Selected ULDs

ULD Common Designation	Max External Dimensions L x W x H(in/cm)	Internal Cubic Capacity (ft ³ /m ³)	Maximum Gross Weight (lb/kg)	Weight Tare (approx) (lb/kg)
M-1H	96 x 125 x 118 in 244 x 317.5 x 300 cm	750 ft ³ 21.2 m ³	14,991 lb 6,800 kg	816 lb 370 kg
M-1	96 x 125 x 96 in 244 x 317.5 x 244 cm	623 ft ³ 17.6 m ³	15,000 lb 6,800 kg	772 lb 350 kg
LD 1	60.4 x 92.0 x 64.0 in 153.4 x 233.7 x 164.6 cm	175 ft ³ 5.0 m ³	3,501 lb 1,588 kg	265 lb 120 kg
	96 x 125 (64 to 118) in 244 x 317.5 (162.2 to 300) cm	407 to 740 ft ³ 11.5 to 20.9 m ³	Variable	265 lb 120 kg

Cross Section Showing Main Deck and Lower Compartment



Typical Main Deck Cargo Layout



Typical Lower Lobe Cargo Layout



Cargo Layout Legend

Main Deck	Lower Lobe
(23) 96 in x 125 in x 118 in Pallets	(9) 96 in x 125 in x 64 in Special Pallets
(5) 96 in x 125 in x 96 in Pallets	(2) 60 in x 92 in x 64 in Containers
(2) 96 in x 125 in x 96 in Special Pallets	(1) Bulk