

B737-3H4

Aircraft Technical Summary



General Description:

Aircraft Type:	737-3H4	Interior Config.:	Cargo
Date of Manufacture:	Dec. 1996	Landing Cat:	CAT IIIA
Noise:	Stage 3	Winglets:	Yes (APB)

Weights / Fuel Capacity:

	<u>LBS</u>	<u>KGS</u>
Maximum Taxi Weight:	139,000	63,049
Maximum Take-off Weight:	138,500	62,822
Maximum Landing Weight:	115,000	52,163
Maximum Zero Fuel Weight:	107,500	48,761

	<u>LBS</u>	<u>KGS</u>
Fuel Capacity	35,583	16,140

Current Status:

	<u>Total Hours</u>	<u>Total Cycles</u>
Date: April 16, 2023	66,331:45	51,560

Maintenance Intervals:

This aircraft is on the MRB – MSG 3 maintenance program that does not use letter checks. The maintenance requirements are made up of Systems and Powerplant, Structures and Zonal maintenance tasks as outlined in Boeing Document D6-82981-MRBR.

Maintenance Status:

A Heavy Maintenance Check, with most Systems, Powerplant, Structures and Zonal maintenance tasks as outlined in Boeing Document D6-82981-MRBR was accomplished October, 2019, TSN 65,252:05 & CSN 50,960.

Component History

Engines:		Model: CFM56-3B2 (22K Thrust Rating)		
Position	Serial Number	Total Time	Total Cycles	Time Remaining/First Due
No. 1	720244	90,715:03	79,437	4,871 Cycles – HPT Front Air Seal @ CAT B
No. 2	858459	63,383:36	49,377	5,546 Cycles – HPT Front Air Seal @ CAT B

Auxiliary Power Unit			
MFG: Honeywell	Model: GTCP85-129H	PN: 380428-10-1	SN: P-100448
Est. Total Hours since HSI: 5,399:11		Est. Total Cycles since HSI: 3,570	

Landing Gear					
POS.	Part Number	Serial Number	Cycles Since Overhaul	Cycles Remaining	10 Year CPCP Due
NLG	65-73762-20	T5451P2740	600*	20,400*	05 Apr. 2029*
LH MLG	65-73761-127	MCO5571P2789	9,551*	11,449*	25 Apr. 2023
RH MLG	65-73761-127	MCO5594P2799	9,551*	11,449*	31 Apr. 2023*

Interior Equipment

Equipment	Position
Airstairs	None
Galley	G1 – B/E Aerospace P/N 1-625D
Lavatories	Forward – Flush Type
Cabin	PEMCO Cargo Conversion

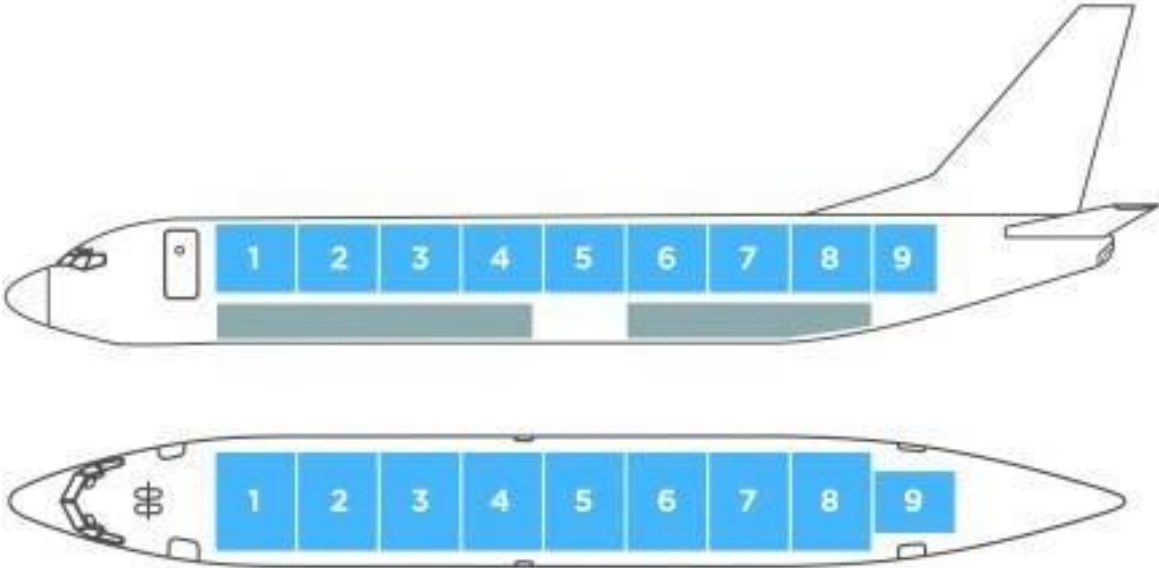
Avionic Equipment

Component	Manufacture	Model/Part Number	Quantity
Heads-up Display	Flight Dynamics	2300/1500-0520-001, 1500-0480-001, 1500-0490-002, 1500-0500-002	1
VHF Transceiver	Honeywell	KTR 9100A/064-50001-0101	2
Aircraft Personality Module (ACARS)	Honeywell	964-0465-001	1
VHF Data Radio (ACARS)	Honeywell	064-50000-2000	1
Air Data Computer	Honeywell	HG480B43	2
ATC Transponder	Collins	TRA-100B/066-01212-0301	2
DME Interrogator	Collins	622-2921-006	2
Windshear/EGPWS	Honeywell	Mark V/965-0976-020-218-218	1
Marker Beacon	Collins	522-2996-011	1
Radio Altimeter	Collins	86F-4/622-3890-021	2
TCAS	Honeywell	TPA-100B/ 940-0351-010	1
VHF Navigation-HUD	Collins	822-0761-201	3
Weather Radar	Honeywell	RDR-4B/066-50008-0406	1
DFDAU	Honeywell	967-0212-002	1
Auto Throttle Computer	Smiths	755SUE2-4	1
Flight Management Computer	Smiths	171497-05-01	2
GPS	Collins	GPS 4000S/822-2189-100	2
Digital Flight Control Computer	Honeywell	4051600-923	2
SSFDR	Honeywell	980-4700-001	1
SSCVR	Honeywell	980-6022-001	1

Major Items Accomplished

Item	Description
ST01096SE	Installation of Honeywell ACARS
ST01219SE	Installation of APB Winglets
Cargo	Installation of PEMCO Main Deck Door, Cargo Floor, Smoke & Fire system
SB 737-53-1306 Revision 3	<p>Replacement of 13 fuselage crown skins accomplished January 4, 2014 affecting the following AD's</p> <ol style="list-style-type: none"> 1. AD 2003-14-06 – Str. 4, 10 & 14 Lap joint inspections/modifications Terminated by AMOC letter 0120S-14-20 2. AD 2009-07-11 – Dorsal Fin Chafing inspection terminated. 3. AD 2016-06-04 – Window Belt Cabin Window Corner Cracking Terminated. 4. 2010-05-13 – Scribe Line Inspections <ul style="list-style-type: none"> - Zone 3, around decals due @ 65,000 Cycles - Zone 3 around wing to body fairings due @ 66,389 Cycles - Other inspection zones terminated. 5. 2011-24-12 – Crown Skin Chem-milled Pockets Reset by AMOC letter 0120S-14-20 (Due @ 69,560 Cycles) 6. 2012-26-02 Crown Skin Chem-milled Pockets Reset by AMOC letter 0120S-14-20 (Due @ 69,560 Cycles) 7. 2015-16-08 Lap Joint Inspections at STR 4L & 4R – BS 360 to BS 908. Reset by AMOC 0120L-15-455 (Due @ 74,560 Cycles) 8. 2016-16-13 Chem-milled skins Reset by AMOC 0120S-14-20 (Due @77,560 Cycles)
AD 2014-05-12	<p>No. 1, No. 2, No. 7 & No. 8. Flap Carriage History:</p> <p>No. 1: S/N B7223 – Last OH 06 Jan. 2017, CSN 11,877, CSO 2,117. No. 2: S/N B6997 – Last OH 05 Jan. 2017, CSN 13,995, CSO 2,125. No. 7: S/N B6714 – Last OH 26 Sept. 2019, CSN 10,440, CSO 600 No. 8: S/N B5961 – Last OH 06 Jan. 2017, CSN 13,991, CSO 2,117</p> <p>Note: Overhaul limit is 20,000 Cycles or 8 years since install and Life Limit is 40,000 Cycles.</p>
Mods recently completed.	Fixed ELT • VHF Comm 8.33 KHZ Spacing & FM Immunity • ATC Transponders & ELS Mod • TCAS 7.1 Mod • ADS-B OUT Mod.

PEMCO Full Cargo Conversion



737-300 Full-Freighter

The 300F offers nine pallet positions including eight full-size container or pallets and one smaller container or pallet. The full-featured cargo handling system includes retractable sill plate and over-rideable side restraints, all engineered to withstand the loading and unloading stress of the 737-300's 43,100-pound maximum payload.

ENGINE LIFE LIMIT PART STATUS - CFM56-3B2
SERIAL 720-244

ENGINE TYPE	ENGINE S/N	OWNER	ENGINE DATA					
CFM56-3B2	720-244		Time Since Level 3	90,715:03	Cycles Since Level 3	79,437	Date of Last Flight	16-Mar-23
AIRCRAFT	POSITION	PREVIOUS OPERATOR	Time Since Level 2	19,446:26	Cycles Since Level 2	13,674	Engine Total Hours	90,715:03
	No. 1	NA	Time Since Last Visit	19,446:26	Cycles Since Last Visit	13,674	Engine Total Cycles	79,437

No.	DESCRIPTION	PART NUMBER	SERIAL NUMBER	CURRENT TOTAL (CYCLES)				LIFE LIMITS (CYCLES)				REMAINING (CYCLES)		
				CAT A	CAT B	CAT C	CAT 2C1	CAT A	CAT B	CAT C	CAT 2C1	CAT A	CAT B	CAT C
1	FAN DISK	335-014-511-0	DE615534	13,076	598	0	0	30,000	24,900	20,100		16,203	13,448	10,856
2	BOOSTER SPOOL	335-009-306-0	DE427253	13,076	598	0	0	30,000	30,000	30,000		16,326	16,326	16,326
3	FAN SHAFT	335-006-414-0	DD860863	13,076	598	0	0	30,000	30,000	30,000	30,000	16,326	16,326	16,326
4	HPC FRONT SHAFT	1275M37P02	GWN0LRJ0	13,076	598	0	0	20,000	20,000	20,000	20,000	6,326	6,326	6,326
5	HPC 1-2 SPOOL	1589M66G02	GWN0GJ8D	13,076	598	0	0	20,000	20,000	20,000	20,000	6,326	6,326	6,326
6	HPC STG 3 DISK	1590M59P01	XAEL8803	13,076	598	0	0	20,000	20,000	20,000	20,000	6,326	6,326	6,326
7	HPC 4-9 SPOOL	1588M89G03	GWN0LTCA	13,076	598	0	0	20,000	20,000	15,800	18,400	6,326	6,326	4,997
8	CDP SEAL	1319M25P02	GFF5E8PL	13,076	598	0	0	20,000	18,000	15,000	16,800	6,259	5,633	4,694
9	HPT FRONT SHAFT	1385M90P04	XAEL9073	13,076	598	0	0	20,000	17,300	17,000	20,000	6,232	5,391	5,297
10	HPT FRONT AIR SEAL	1282M72P07	XAEM5161	13,076	598	0	0	20,000	15,800	15,100	13,100	6,167	4,871	4,656
11	HPT DISK	1475M29P03	GWN0K90P	13,076	598	0	0	20,000	18,500	16,600		6,277	5,806	5,210
12	HPT REAR SHAFT	1864M91P02	TMT2B773	13,076	598	0	0	20,000	20,000	20,000	20,000	6,326	6,326	6,326
13	LPT STG 1 DISK	301-331-126-0	BC820634	13,076	598	0	0	25,000	25,000	25,000	20,000	11,326	11,326	11,326
14	LPT STG 2 DISK	301-331-227-0	PA287097	13,076	598	0	0	25,000	25,000	25,000	20,000	11,326	11,326	11,326
15	LPT STG 3 DISK	301-331-322-0	PA092868	13,076	598	0	0	25,000	25,000	25,000	20,000	11,326	11,326	11,326
16	LPT STG 4 DISK	301-331-429-0	PA205334	13,076	598	0	0	25,000	25,000	25,000	20,000	11,326	11,326	11,326
17	CONNICAL SUPPORT	305-056-116-0	DE689643	13,076	598	0	0	25,000	25,000	25,000	20,000	11,326	11,326	11,326
18	LPT STUB SHAFT	301-330-626-0	DE678695	13,076	598	0	0	25,000	25,000	25,000	20,000	11,326	11,326	11,326
19	LPT SHAFT	301-330-066-0	DE726179	13,076	598	0	0	30,000	30,000	30,000	20,000	16,326	16,326	16,326

CAT B Limiter - HPT Front Air Seal - 4,871 Cycles remaining.

THIS INFORMATION IS ACCURATE AND COMPLETE TO THE BEST OF OUR KNOWLEDGE AND IS OBTAINED FROM APPROVED RECORDS ON FILE.

ENGINE LIFE LIMIT PART STATUS - CFM56-3B2

SERIAL 858-459

ENGINE TYPE	ENGINE S/N	OWNER	ENGINE DATA					
CFM56-3B2	858-459		Time Since Level 3	63,383:36	Cycles Since Level 3	49,377	Date of Last Flight	16-Mar-23
AIRCRAFT	POSITION	PREVIOUS OPERATOR	Time Since Level 2	18,322:38	Cycles Since Level 2	12,820	Engine Total Hours	63,383:36
	No. 2	NA	Time Since Last Visit	18,322:38	Cycles Since Last Visit	12,820	Engine Total Cycles	49,377

No.	DESCRIPTION	PART NUMBER	SERIAL NUMBER	CURRENT TOTAL (CYCLES)				LIFE LIMITS (CYCLES)				REMAINING (CYCLES)		
				CAT A	CAT B	CAT C	CAT 2C1	CAT A	CAT B	CAT C	CAT 2C1	CAT A	CAT B	CAT C
1	FAN DISK	335-014-511-0	DE801054	12,222	598	0	0	30,000	24,900	20,100		17,057	14,157	11,428
2	BOOSTER SPOOL	335-009-306-0	PA178341	12,222	598	0	0	30,000	30,000	30,000		17,180	17,180	17,180
3	FAN SHAFT	335-006-414-0	DD104281	12,222	598	0	0	30,000	30,000	30,000	30,000	17,180	17,180	17,180
4	HPC FRONT SHAFT	1275M37P02	GWN0NF71	12,222	598	0	0	20,000	20,000	20,000	20,000	7,180	7,180	7,180
5	HPC 1-2 SPOOL	2411M21G01	GWN0NFJ8	12,222	598	0	0	20,000	20,000	20,000	20,000	7,180	7,180	7,180
6	HPC STG 3 DISK	2116M23P01	XAET4786	12,222	598	0	0	20,000	20,000	20,000	20,000	7,180	7,180	7,180
7	HPC 4-9 SPOOL	1588M89G03	GWN0M4C4	12,222	598	0	0	20,000	20,000	15,800	18,400	7,180	7,180	5,672
8	CDP SEAL	1319M25P02	GFF5FPDE	12,222	598	0	0	20,000	18,000	15,000	16,800	7,113	6,402	5,335
9	HPT FRONT SHAFT	1385M90P04	XAEL9404	12,222	598	0	0	20,000	17,300	17,000	20,000	7,086	6,129	6,023
10	HPT FRONT AIR SEAL	1282M72P07	XAEM5459	12,222	598	0	0	20,000	15,800	15,100	13,100	7,021	5,546	5,300
11	HPT DISK	1475M29P03	XAEL4201	12,222	598	0	0	20,000	18,500	16,600		7,131	6,596	5,919
12	HPT REAR SHAFT	1864M91P02	TMT1EM38	12,222	598	0	0	20,000	20,000	20,000	20,000	7,180	7,180	7,180
13	LPT STG 1 DISK	301-331-126-0	PA596427	12,222	598	0	0	25,000	25,000	25,000	20,000	12,180	12,180	12,180
14	LPT STG 2 DISK	301-331-227-0	PA582364	12,222	598	0	0	25,000	25,000	25,000	20,000	12,180	12,180	12,180
15	LPT STG 3 DISK	301-331-322-0	DE661607	12,222	598	0	0	25,000	25,000	25,000	20,000	12,180	12,180	12,180
16	LPT STG 4 DISK	301-331-429-0	DE801603	12,222	598	0	0	25,000	25,000	25,000	20,000	12,180	12,180	12,180
17	CONNICAL SUPPORT	305-056-116-0	BC770213	12,222	598	0	0	25,000	25,000	25,000	20,000	12,180	12,180	12,180
18	LPT STUB SHAFT	301-330-626-0	DE424851	12,222	598	0	0	25,000	25,000	25,000	20,000	12,180	12,180	12,180
19	LPT SHAFT	301-330-066-0	DC850134	12,222	598	0	0	30,000	30,000	30,000	20,000	17,180	17,180	17,180

CAT B Limiter - HPT Front Air Seal - 5,546 Cycles remaining.

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