



# Aircraft Spares

N26, Haroon Bungalows Phase 2, Scheme 33, Sector 38A, Near  
Quaid Azam International Airport, Karachi, Pakistan.

Email : [ceo@aircraftspares.tk](mailto:ceo@aircraftspares.tk) Web Site: [www.aircraftspares.tk](http://www.aircraftspares.tk) Tel : +92 313 268 5353,

# AIB Phase-Out



# Aircraft Spares

20/01/2010 Prepared by : Acft Prod. Planning & Control, C/P 842 Page : 1 of 11

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## **AIB**

### **AIRCRAFT SPECIFICATIONS**

<b>Tail No.</b>	AIB
<b>Fuse No.</b>	RB742
<b>Line No.</b>	517
<b>Date Ordered</b>	02 APR 1981
<b>Date In-Svcs</b>	12 APR 1981

<b>Mfg. SN</b>	22499
<b>Eff. No.</b>	002
<b>Date Mfd</b>	23 MAR 1981
<b>Date Rcvd.</b>	03 APR 1981

<b>ENGINE / APU</b>	
Engine Type	RB211-524-C2-19
Max. Thrust	51,500
Noise Level	FAR 36 STAGE 3
APU Type	GTCP 660-4
IFSD/1000 Eng Hrs 12 Mo	0.147

<b>IFE STATUS</b>	
Video	N/A
Landscape Camera	NO
Air show	NO
Audio	12 CHANNELS
Cabin Printer	N/A
Fax Machine	N/A

<b>AVIO SYSTEMS</b>	
ACARS	N/A
FANS (ATN/CNS)	N/A
TCAS	YES
Predictive Wind shear	NO
Glass Cockpit	N/A
Voice Comm.	N/A

<b>DIMENSIONS</b>	
Length	231 FT. 4INCH
Wingspan	195 FT. 8 INCH
Height	63 FT. 5 INCH

<b>Configuration</b>	<b>Number of SEATS</b>	<b>SEAT PITCH ( in.)</b>
First Class	18	60
Business	0	N/A
Guest	406	31
<b>Total</b>	<b>424</b>	

<b>Mfg Model No.</b>	<b>FUEL CAP.</b>	<b>RANGE (NM)</b>	
		<b>VOL P/N</b>	<b>PAX P/N</b>
747-168B	48,324	3,900	4,760

<b>CARGO</b>	
Total (lbs.)	123,850
Total (FT3)	6,190
Total Containers	30

<b>MAX WEIGHT LIMIT (lbs)</b>	
Zero Fuel	526,500
Taxi	753,000
Landing	585,000
Take-Off	753,000

<b>CREW REST</b>	
Pilots	2
M/ A Rest	NO
F/ A Rest	NO
Prayer Area	NO



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# TECHNICAL DATA

## AIRFRAME

EFFECTIVE AS PHASE-OUT DATE OF:	12 NOV 2009
TOTAL HOURS	74716 H
TOTAL CYCLES	27379 C
<b>CURRENT MAINTENANCE PROGRAM</b>	
A-CHECK EVERY	600 HRS
C-CHECK EVERY	24 MONTHS 7500 HOURS
D-CHECK EVERY	8 YEARS
CORROSION PREVENTION & CONTROL PROGRAM	EVERY "C"-CHECK
AGING AIRCRAFT PROGRAM	EVERY "C"-CHECK
<b>C-CHECK STATUS</b>	
LAST C-CHECK ACCOMPLISHED	24 NOV 2007
TOTAL HOURS AT LAST C-CHECK	70409 H
TOTAL CYC AT LAST C-CHECK	25767 C
NEXT C-CHECK (MID CHECK) DUE DATE	13 NOV 2009
<b>D-CHECK STATUS</b>	
LAST D-CHECK ACCOMPLISHED	07 JAN 2006
NEXT D-CHECK DUE DATE	JAN 2014



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## LANDING GEAR

ALL DATA IS EFFECTIVE AS OF: 20 MAR 2010

POSITION	LEFT		NOSE	RIGHT	
	BODY	WING		BODY	WING
SERIAL NUMBER MFG	CP001313	CP001305	CP000753	CP001344	CP001294
ESTIMATED OVERHAUL INTERVAL	10 YEARS	10 YEARS	10 YEARS	10 YEARS	10 YEARS
ESTIMATED CYCLES SINCE OVRHL.	3468 C	3468 C	7844 C	3468 C	3468 C
ESTIMATED DAYS REMAINING	1719 D	1719 D	1719 D	1719 D	1719 D
ESTIMATED PERCENT REMAINING	47%	47%	47%	47%	47%

## ENGINES

TYPE: RRRB211-524-C2-19

ALL DATA IS EFFECTIVE AS OF: 20 MAR 2010

POSITION	1	2	3	4
SERIAL NUMBER	12259	12297	12280	12277
TOTAL TIME	57817 H	55592 H	52249 H	27808 H
TOTAL CYCLES	21172 C	18949 C	18856C	10937 C
TOTAL CYCLES SINCE SHOP VISIT	1373 C	218C	1260 C	1024 C
REMAINING CYCLES/DATE FOR REMOVAL	218 C	C 2825	506 C	-5 C



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## AUXILIARY POWER UNIT (APU)

ALL DATA IS EFFECTIVE AS OF: 20 MAR 2010	
MODEL NUMBER	GTCP660-4
SERIAL NUMBER	P121
TSC ACTION	2602 H
CSC ACTION	306 C
REMAINING HRS FOR APU RMVL.	966 H

## AIB Estimated OPEN Engineering Authorization AS OF: 20 MAR 2010

EA Ref	Description	Due Date	M-hrs
I57-A1154R1	T/E Flap Track 3,5 & 6 Bearing Migration	15 DEC 2009	06 Hrs
I78-A1230R2	#3 Eng T/R translating cowl damage	20 F/C	
I72-A1305R1	ENG pylon splitter fairing distress	Next A-Chk	
I71-A1097R1	ENG nose cowl inner skin with crack	C-Chk	
I53-A1190	Fuselage skin bulges	02 NOV 2009	

## AIB Estimated OPEN Engineering Directive AS OF: 20 MAR 2010

ED Ref	Description	Due Date	M-hrs
I23-D1134	Surveying the ELT Battery P/N: 452-0133 Expiration	RON before 14-Nov-09	



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20 Mar 2010 Prepared by : A/cft Prog Planning & Control / CC 842 Page : 5 of 11

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# AIB Open Engineering Orders/AD/FAR

AS OF: 20 MAR 2010

EO #	Reference	Description	Run-out	M-Hrs
211127	SB 21A2418 FAA-2007-07-03	Air condition trim air diffuser duct insp.	Repeat Insp.	20 H
231593	SAUDIA	B747-100 & SP cockpit video system	31-Dec-2007 on hold by engineering	110 H
251711	SB 25A3159	Main Deck overhead stowage bin support structure inspection & replacement	Repeat Insp.	400 H
252394	SAUDIA	G/C passenger seat headrest cover installation	31-12-2009	16 H
271580	SB 27-2280 FAA-2008-22-17	T.E Flaps carriage & aft link inspection	Repeat Insp.	36 H
271592	SB 27A2398 FAA-2008-23-10	Outboard Flap tracks & transmissions attachment modification.	18-Apr-2010	400 H
271614	2009-20-12	#4 & #5 flap transmission replacement	30Mar2014	50 H
281070	FAA 97-26-07 FAA 98-10-10	ENG FUEL FEED OB TANK B/PUMP WIRING INSP	Repeat Insp.	50 H
281280	SB 28-2259 FAA-2007-21-13	Main tank fuel boost pump housing inspection	02-Jul-2010	80 H
281337	SB 28A2292 FAA-NPRM-2007- NM-312-AD	Fuel tank actuators electrical bond inspection	14-Sep-2011	294 H
281339	FAA-2008-18-09	Reserve fuel tanks refuel valve unit electrical bonding change.	27-09-2010	08 H
281351	FAA-2008-10-07	Fuel system airworthiness limitation and certification maintenance program	30-Apr-2010	200 H
321478	AMM 32-32-01 AMM 32-33-01 AMM 32-34-01	Main landing gear retract actuator replacement (remaining RH body gear only)	31Dec2009	25 H
321530	SB 32A2482 FAA 2008-09-05	Wing landing gear trunnion fork assy. replacement	01-Nov-2014	16 H
351137	FAA 2009-21-10	Crew & passenger oxygen bottles inspection.	31Jan2010	12 H
511121	FAA-NPRM-2009 NM-025	Fuselage, Wings, horizontal Stabilizer Body Joint Splice inspection and repair	05 Oct 2014	2660 H
521205	SB 52A2287 FAA-NPRM-2007- NM-329 AD	FWD & AFT cargo doors hinge attachment inspection.	27-Feb-2010	50 H
521214	FAA 2008-14-08	CARGO DOORS CONTROL SWITCH REPLACEMENT	13 Nov 2009	30 H
521216	2009-19-06	Cockpit door trim installation & cover plate replacement	30Nov2009	30 H
530086	53-2240	DVI-BS 1241 TO 1350 O/WING LONG. CHORD	Repeat Insp.	40 H
530095	FAA 86-16-05	BS 2360 BLKHD LWR CHORD,LAP JOINT INSP	Repeat Insp.	120 H
521205	SB 52A2287 FAA-NPRM-2007- NM-329 AD	FWD & AFT cargo doors hinge attachment inspection.	27-Feb-2010	50 H



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20 Mar 2010 Prepared by : Aft Prod Planning & Control / CC 842 Page : 6 of 11

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531010	FAA-2000-15-08	Fuselage BS 2360 aft Press-Bulkhead inspection & APU cut modification.	Repeat Insp.	518 H
531020	SB 532283 FAA-88-16-01 FAA-92-08-02	BS 1241 Splice Strap & Forging, inspection & replacement.	Repeat Insp.	72 H



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-Continuation-

## AIB Open Engineering Orders/AD/FAR

AS OF: 20 MAR 2010

EO #	Reference	Description	Run-out	M-Hrs
531025	FAA 2005-08-09 FAA 89-06-03R1	SECT 42 CROWN CREASE BEAM INSP	Repeat Insp.	40 H
531027	SB 53A2303 FAA-89-05-03 FAA-90-21-17	BS 400-520 Stringer #6 Skin Lap Splice inspection.	Repeat Insp.	6 H
531050	SB 53A2312 FAA-90-01-07 FAA-94-15-06 FAA-NPRM-2007- NM-058-AD	Skin Lap Splice Upper Fasteners Row modification Wing Body Fairing.	01-Dec-2008	96 H
531052	SB 53-2253 FAA-85-17-05 FAA-90-23-14	FS 340 to FS400 Stringer #6 Inspection after Modification.	30-Dec-2008	48 H
531054	SB 53-2302 FAA-91-18-04	BS 2200/2220 Frame inspection Outflow Valve Cutout	Repeat Insp.	24 H
531073	SB 53A2349 FAA-2006-05-02	Fuselage inspection on Fatigue Results.	28-Mar-2009	1600 H
531093	SB 53-2367 FAA-94-12-04	Fuselage Skin Body Skin Lap Joint inspection based on Fatigue Results.	31-Dec-2008	14 H
531117	SB 53-2291	BS 1350 to 1480 over wing upper chord inspection	31-Dec-2008	48 H
531140	SB 53A2396 FAA-98-07-15	Skin and Internal Doublers. Inspection/Repair/Mod above #1 Main door	Repeat Insp.	170 H
531199	SB 53A2410 FAA-2000-10-23	Sec 48 STGR #11 Longerons Fitting STA 2598 insp. & replacement	Repeat Insp.	10 H
531255	FAA 2001-11-06	FUSE BS1480 LH&RH BULKHEAD & SPLICE INSP	Repeat Insp.	35 H
531291	SB 53A2416 FAA-2000-02-10	B747-Fuselage - Center section - Body station 1265 frame inspection and repair.	Repeat Insp.	34 H
531301	SB 53A2427 FAA-2001-15-03	Tail section BS 2598 bulkhead FWD and AFT inner chord inspection	Repeat Insp.	5 H
531310	SB 53A2417 FAA-2000-24-07	#1 main entry door cut out door frame FWD edge STA434 inspection and repair	Repeat Insp.	8 H
531345	SB 53A2431 FAA-2005-06-11	U/D fwd beam upper chord inspection STA 340-360-380	Repeat Insp.	64 H
531350	SB 53A2450 FAA-2005-01-09	Fuselage - section 46 body station 2231 frame inspection	Repeat Insp.	20 H
531354	SB 53A2444 FAA-2001-22-04	Fuse Skin Crack at Drag Splice	Repeat Insp.	12 H
531357	SB 53A2449 FAA-2001-14-07	Tail section BS2598 bulkhead frame support inspection under horizontal stabilizer hinge support fitting	Repeat Insp.	21 H
531389	SB 53A2465 FAA-2006-22-15	Nose W/W top / side panel web & stiffener inspection.	Repeat Insp.	58 H
531391				



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531391	SB 53A2451 FAA-2007-16-08	Fuselage section 42 door #2 FWD edge at station 800 inspection and repair.	Repeat Insp.	18 H
531401	SB 53A2467 FAA-2003-19-08	Tail section BS 2598 bulkhead inner chord outer chord and diagonal brace inspection	Repeat Insp.	12 H
531404	SB 53-2352	Body Station 1350 bulkhead upper cord inspection & rep	Repeat Insp.	210 H
531405	SB 53A2448 FAA-2003-10-06	sec 46 cargo door cutout fwd/aft upper corner inspection	Repeat Insp.	48 H

-Continuation-

## AIB Open Engineering Orders/AD/FAR

AS OF: 20 MAR 2010

EO #	Reference	Description	Run-out	M-Hrs
531432	FAA 2009-14-02 FAA 2002-26-15	SEC 46&48 VERT. STAB SEAL SKIN INSP&RPR	Repeat Insp.	55 H
531437	SB 53A2459 FAA-2005-06-12	STA340 & 360 U/D FLR BEM UPR CORD & WEB INSP	Repeat Insp.	48 H
531468	SB 53A2482 FAA-2004-16-09	fuselage tail section BS-2360 pressure bulkhead WEB insp.	Repeat Insp.	19 H
531475	SB 53-2460 FAA-NPRM- 2007-NM-100-AD	LH/RH #3 entry door FWD corner reveals inspection	Repeat Insp.	348 H
531486	SB 53A2471 FAA-2005-10-20	BS1000 BLKHD chord stringer S37 to S39 inspection / repair.	Repeat Insp.	28 H
531498	SB 53A2452 FAA-2005-20-29	Fuse floors U/D floor beam upper chord inspection & repair	Repeat Insp.	348 H
531518	SB 53A2512 FAA-2006-06-10	Door 3 LH & RH c/out lower FWD and upper AFT corner inspection & repair of LH/RH side skin and bear strap	Repeat Insp.	28 H
531520	SB 53-2473 FAA-2006-05-06	Fuselage section 48 BS2598 Horizontal Stabilizers support frame modification & repair	26-Apr-2009	142 H
531528	SB 53-2502 FAA-2006-05-06	B747-100/-200 and B747-SP Upper deck tension ties and frame inspection and repair	Repeat Insp.	180 H
531532	SB 53A2562 FAA-2006-22-15	Nose wheel well side and top panels web and stiffeners replacement.	01-Aug-2009	300 H
531536	SB 53A2501 FAA-2006-22-09	Fuselage skin inspection for cracks at multiple sites on skin lap joint.	15-Jan-2008	1000 H
531542	SB 53A2561 FAA-2007-02-24	Fuselage section STA 2360 Aft press Bulkhead web lap joint inspection for fatigue damage.	30-Apr-2008	75 H
531555	SB 53A2675 FAA-2008-10-15	FUSE SEC 41 skin inspection	28-Feb-2008	48 H
531567	SB 53A2658 FAA-2007-25-17	STN 1241 Bulkhead Fitting Inspection	18-Jul-2008	24 H
531588	SB 53A2563 FAA-NPRM- 20007-NM-087-	Fuselage-Skin-Inspections of the Fuselage Skin and Butt Joint Splice Straps for Scribe Lines	18-Oct-2008	1620 H



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531590	SB 53A2704 FAA-NPRM- 2007-NM-299-AD	Fuse section 41 longitudinal rows of fasteners inspection & repair.	17-Aug-2009	67 H
531597	SB 53A2703 FAA-NPRM- 2008-NM-059-AD	Fuselage section 41 longitudinal rows of fasteners inspection & repair.	17-Aug-2009	30 H
531606	SB 53A2682 FAA-2009-06-02	sec 42 frame shear tie end fasteners crack inspection	10-10-2010	91 H
531609	53A2651 FAA-NPRM- 2008-NM-131-AD	Tail section from STA 2403 to 2524 upper lobe insp	11-11-2011	25 H
531627	FAA 2009-19-05	SEC 41 BODY FRAME STRC INSP & CRACK RPR	Repeat Insp.	320H
531630	FAA 2009-24-17	SEC 42 STR TO STR CLIP JOINT INSP & REP	Repeat Insp.	90 H
531637	FAA 2009-25-11	Fuse BS 1500 -1800 stringer 39 - 40 frame inspection	Repeat Insp.	120 H
531643	FAA-NPRM- 2009-NM-035	#1 Main Entry Door Upper Splice from Sta 440- to 480 Inspection and repair	Initial Insp.	20 H

## AIB Open Engineering Orders/AD/FAR

AS OF: 20 MAR 2010

EO #	Reference	Description	Run-out	M-Hrs
541100	54-2198	pylon-strut fairing diagonal -brace insp & MOD	Repeat Insp	06 H
541118	SB 54A2182 FAA-2005-03-01	Pylon strut to wing attach structure inspection.	Repeat Insp.	1000 H
541121	SB 54A2182 FAA-2005-03-01	Pylon secondary fuse pins NDT inspection.	31-Dec-2014	200 H
551059	SB 55A2050 FAA-2006-10-16	H/S stabilizer upper skin & upper rear spar chord inspection	30-Dec-2010	309 H
571032	SB 57-2256 FAA-2002-23-21	T/E Flap track fwd bolt hole corrosion insp and rework	Repeat Insp.	104 H
571086	SB 57-2297	WING FRONT SPAR CTR SECT WEB INSP & RPR.	Repeat Insp.	48 H
571181	SB 57A2310 FAA-2005-20-18	T/E flap act attach fitting inspection & replace	Repeat Insp.	3 H
571206	SB 57A2311 FAA-2003-16-12	Wing front spar inspection and modification.	Repeat Insp.	393 H
571234	SB 57A2314 FAA-2004-03-09	Wing upper skin rear spar upr cord & side of body splice inspection & repair.	Repeat Insp.	250 H
571333	SB 57A2323 FAA-NPRM- 2008-NM-057-AD	Trailing edge flaps inboard and outboard flap tracks inspection & fail safe modification.	31-Dec-2008	50 H



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## Major Maintenance (C/D-Check and Modification) Requirement

As of: 20 MAR 2010

Task #	Requirement	Due Date	M/H	Ground Time	Material Cost
	C2-CHK	23-Dec-08		10 Days	
531536	Fuselage skin inspection for cracks at multiple sites on skin lap joint.	10-Mar-08 At 26097 F/C	1000 H	14 Days	
531073	Fuselage inspection on Fatigue Results.	28-Apr-08 At 26270 F/C	1600	10 Days	
531520	Nose wheel well side and top panels web and stiffeners replacement			10 Days	
531532	Fuselage section 48 BS2598 Horizontal Stabilizers support frame modification & repair			10 Days	
531588	Fuselage-Skin-Inspections of the Fuselage Skin and Butt Joint Splice Straps for Scribe Lines			10 Days	

Note: A-check due date depends on compliance of C and D-check

## MAJOR MODIFICATIONS

**Embodied on AIB**

#	EO NO	Reference	Description
1	EO 341132	FAA-121.356/ 125.224	Traffic collision avoidance system installation
2	EO 341565	FAA-HM-2004-16-14	Installation of FMS/GPS system
3	EO 341527	Collins-TPR-901-34-10	MOD "S" transponder retrofit
4	EO 531032	FAA-2005-04-51	Nose section 41 body frame structure replacement and reinforcement
5	EO 541022	FAA-2006-12-03	Nacelle strut and wing structure modification