



**AIR INDIA**  
ENGINE OVERHAUL, OAP, MUMBAI

LIFE LIMITED PARTS LIST FOR THE ENGINE										
<b>GE-CF6-80C2 A2 ENGINE</b>										
ENGINE S/No.	695102	Release Date	03.08.2007							
ENG TSN	45219	ENG CSN	17382							
BOOSTER S/No.	21X90314	TSN	41910	CSN	13980					
		TSO	14880	CSO	5244					
S/No.	DESCRIPTION	PART No.	SERIAL No.	U. HRS.	U. CYC	TSN	CSN	LIFE BALANCE		REMARKS
								HOURS	CYCLES	
1	Stg.1 Fan disk	1703M191P06	MPOS0115		20000	40693	14630		5370	
2	Stg.2 -5 spool	1856M17P01	VOLO5757		20000	41910	13980		6020	
3	Fan forward Shaft	1277M75G07	MPO10247		20000	44607	15168		4832	
4	Fan Mid shaft	1862M14P01	MPOU4332		20000	49373	16401		3599	
CORE S/No.	31X90123	TSN	45466	CSN	17222					
		TSO	9462	CSO	3252					
S/No.	DESCRIPTION	P/No.	Sr.No.	U. HRS.	U. CYC	TSN	CSN	LIFE BALANCE		REMARKS
								HOURS	CYCLES	
1	Stg.1 Disk	9380M12P03	RPMCD303		14480	31925	13325		1155	
2	Stg.2 Disk	9380M12P03	GWNF1734		20000	44768	17195		2805	
3	Spool 3-9 Stage	1854M195P05	VOLO6310		15000	33431	11297		3703	
4	Stg.10 Disk	9380M12P03	SNEO0255		20000	41086	14061		8939	
5	Spool 11-14 Stage	1531M121G02	MPOAP540		20000	48016	9418		10582	
6										
7										
8	Rot. CDP Seal	1855M60P02	ELOA6349		20000	44768	17195		2805	
9										
HPT SR.No	53X90309	TSN	42017	CSN	13233					
		TSO	2991	CSO	927					
S/No.	DESCRIPTION	P/No.	Sr.No.	U. HRS.	U. CYC	TSN	CSN	LIFE BALANCE		REMARKS
								HOURS	CYCLES	
1	Stg.1 Disk	1531M184G12	GWNB55P		15000	2991	927		14073	
2	Impeller spacer	1539M12P02	GFFR874G		15000	19560	7122		7878	
3	Stg.2 Disk	9362M143P09	MUNHB195		15000	2991	927		14073	
4	Vane Ring Diffuser	9290M128P15	BTABS277		15000	36338	12483		2517	
LPT S/No.	57X90116	TSN	49324	CSN	19150					
		TSO	2991	CSO	927					
S/No.	DESCRIPTION	P/No.	Sr.No.	U. HRS.	U. CYC	TSN	CSN	LIFE BALANCE		REMARKS
								HOURS	CYCLES	
1	Stg.1 Disk	9373M51P03	MPOS9631		20000	47343	17994		2006	
2	Stg.2 Disk	9373M52P04	MPOS5955		20000	25735	10188		9812	
3	Stg.3 Disk	9373M53P05	MPOS5914		20000	48458	18532		1468	
4	Stg.4 Disk	9373M54P04	MPOS6174		20000	21753	8304		11696	
5	Stg.5 Disk	9373M55P04	MPOS5975		20000	25735	10188		9812	
6	LPT Shaft	9382M59P05	GWNC3858		20000	48458	18532		1468	
<b>Air Mount Links</b>										
1	LH Link	1846M123G01	EGTB3457		50000	17935	6776		43224	
2	RH Link	9348M184G03	WIN334AD		80000	9819	3514		76486	
Prepared By: Shanthi M.K. Dy. Chief Engineer										



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ENGINE INSTALLATION / REMOVAL DETAILS

<b>CUSTOMER</b>	<b>AI</b>	<b>ENGINE MODEL</b>	<b>GE CF6-80C2 A2</b>	
Engine Sr. No.	695102	TSN/CSN	45219	17382
A/C Location;	EQT-1	TSO/CSO	31852	11697
Date:	5th Nov 09	TSV/CSV	2991	927
		W/O NO.		
T/O EGT MARGIN		MCT MRGN		OIL PR.

**Reason For Removal:**

MODULE STATUS						
Description	Serial No.	TSN	CSN	TSO	CSO	REMARKS
Booster	21X90314	41910	13980	14880	5244	
Core	31X90123	45466	17222	9462	3252	
Combustor	GGMW3441	-	-	2991	927	
HPT stg 1 nozz assy	51X6C0441	38744	12555	2991	927	
HPT	53X90309	42017	13233	2991	927	
LPT	57X90116	49324	19150	2991	927	
A.G.B	EPEO1830	-	-	2991	927	
T.G.B	FIA5K576	-	-	9462	3252	
I.G.B	FIA8L389	-	-	16152	5599	
Mid shaft	MPOU4332	49373	16401	14880	5244	GE CAS-160
Fwd. shaft	MPOT0247	44607	15168	14880	5244	
LH LINK	EGTB 3457	17935	6776			
RH LINK	WIN334AD	9819	3514			

Module Minimum Life balance		
Module	Cycles	Life limiting part
Booster	5370	Stg.1 Fan disk
Core	<b>1155</b>	Stg.1 Disk
HPT	2517	Vane Ring Diffuser
LPT	1468	Stg.2 Disk
Mid shaft	3599	Mid shaft
Fwd. shaft	4832	Fwd. shaft
<b>MINIMUM</b>	<b>1155</b>	<b>Stg.1 Disk</b>

ENGINE LIMITER	
3-9 SPOOL INSP	1073
Stg 1 Disk	1155
Ist LIMITER	<b>1073</b>

NOTE : ANTICIPATED LIFE AS ON 5TH NOVEMBER ' 09