



## EC-JDF Bell 206 B3, S/N 2800

### ENGINE

- ENGINE MODEL: Rolls Royce Allison 250 C20B
- Total Time: 3776:25
- Cycle: 5746
- S/N: CAE-831760

### Features

lowest operating costs in class	superior autorotation characteristics
robust cabin structure	collective mounted throttle
rupture resistant fuel cells	shoulder harnesses

### Performance

standard max gross weight	3,350 lbs	1,519kg
standard useful load	1,487lbs	674kg
Vne (never-exceed speed)	122kn	226km/h
engine take-off power	420shp	313kW
max range	374nm	694km

### Mission Profiles

Corporate	Plenty of room for 4 passengers and 1 pilot, powerful and dependable turbine engine, best safety record in its class
Law Enforcement	Max. range of 374 nautical miles at max. cruise speed, endurance of 4.5 hours at loiter speed, low acquisition costs, economical operating costs and great resale value.
Utility	External loads of up to 1,500 lb., Rolls-Royce 250-C20J engine, rated at 420 SHP, power for speeds to 122 kts. margin-of-safety features include collective-mounted twist-grip engine throttle control and rupture-resistant fuel system.



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HELICOPTER MODEL: **BELL 206 B3**

ENGINE MODEL: **Rolls Royce Allison 250 C20B**

MARKS: **EC-JDF** SERIAL NUMBER: **2800**

**Total Time:** **3740:00** **Situation of the:** **21-09-07**

**Engine # 1 Total Time:** **3776:25** **Cycle:** **5746** **S/N** **CAE-831760**

**Engine # 2 Total Time:** **N/A** **Cycle:** **N/A** **S/N** **N/A**

## INSPECTION REQUIREMENTS

**Helicopter Model:** B-206 B3      **s/n.:** 2800      **marks:** EC-JDF      **t.t.:** 3740:00      **situation of the:** 21-09-07  
Engine # 1 s/n.: CAE-831760      **t.t.:** 3776:25      **cycle:** 5.746,00  
Engine # 2 s/n.: N/A      **t.t.:** N/A      **cycle:** N/A

### SCHEDULED MAINTENANCE CHECKS

( Ref. Chapter 5 of the Maintenance Manual Bell 206 A/B Serie )

Standard Inspection	Interval Inspection		Last Inspection		Next Inspection		Residue		Note	
	Hours	Months	Hours	Date	Hours	Date	Hours	Days		
50 Hours Inspection/Corrosion	50:		3740:00:	20/09/2007	3790:00:	-	50:00	-		
100H/12 mths AIRFRAME INSPECTION	100:	12	3658:00:	21/11/2006	3758:00:	21-11-07	18:00	61		
300H AIRFRAME INSPECTION	300:		3658:00:	21/11/2006	3958:00:	-	218:00	-		
100H/3 mths CORROSION AIRFR. INSPECTION	100:	3	3740:00:	20/09/2007	3840:00:	20-12-07	100:00	90		
6 mths CONSECUTIVE HEL OPERATION		6	3740:00:	20/09/2007		20-03-08	-	182		
12 mths CONSECUTIVE HEL OPERATION		12	3740:00:	20/09/2007		19-09-08	-	364		
24 mths CONSECUTIVE HEL OPERATION		24	3740:00:	20/09/2007		19-09-09	-	730		
300H/6 mths COMPONENT OPERATION	300:	6	3740:00:	20/09/2007	4040:00:	20-03-08	300:00	182		
300H/12 mths COMPONENT OPERATION	300:	12	3740:00:	20/09/2007	4040:00:	19-09-08	300:00	364		
600H COMPONENT OPERATION	600:		3558:30:	06/08/2006	4158:30:	-	418:30	-		
600H/12 mths COMPONENT OPERATION	600:	12	3740:00:	20/09/2007	4340:00:	19-09-08	600:00	364		
1200H COMPONENT OPERATION	1200:		3258:40:	05/07/2005	4458:40:	-	718:40	-		
1200H/24 mths COMPONENT OPERATION	1200:	24	3740:00:	20/09/2007	4940:00:	19-09-09	1200:00	730		
1500H COMPONENT OPERATION	1500:		2413:20:	10/06/1999	3913:20:	-	173:20	-		
3000H COMPONENT OPERATION	3000:		2413:20:	10/06/1999	5413:20:	-	1673:20	-		

## INSPECTION REQUIREMENTS

**Helicopter Model:** **B-206B3**    **s/n.:** **2800**    **marks:** **EC-JDF**    **t.t.:** **3740:00**    **date :** **21-09-07**  
**Engine # 1 s/n.:** **CAE-831760**    **t.t.:** **3776:25**    **cycle:** **5.746,00**  
**Engine # 2 s/n.:** **N/A**    **t.t.:** **N/A**    **cycle:** **N/A**

### COMPONENT OVERHAUL SCHEDULE

( Ref. Chapter 5 of the Maintenance Manual Bell 206 A/B Series)

Part Number	Description	S/N.	Over. Interv.		Installation Date				Life Component				Residue overhaul component				
			Hours	Years	Heli		Component		Hours	Hours since last overhaul	Years	Years since last overhaul	Hours	Years			
					Hours	Date	Hours	Hours since last overhaul							Years	Years since last overhaul	
206-011-100-021	Main Rotor Hub Assy	JILM-11390	<b>1200:</b>		3558:30:	06/08/2006	2259:50:	0:00:				2441:20:	181:30:			<b>1018:30:</b>	
206-010-450-113	Swashplate	REFS-58	<b>4800:</b>		3258:40:	29/06/2005	845:10:	N/P				1326:30:	N/P			<b>3473:30:</b>	
206-040-002-007	Main Rotor Mast Assy	FAJF-57274	<b>3000:</b>		2413:20:	21/05/1999	8005:00:	0:00:				9331:40:	1326:40:			<b>1673:20:</b>	
206-040-002-25	Main Transmission	BKW-10467	<b>4500:</b>		2413:20:	21/05/1999	1641:15:	0:00:				2967:55:	1326:40:			<b>3173:20:</b>	
206-040-270-3	Freewheeling Assy	BMB-10800	<b>3000:</b>		2413:20:	21/05/1999	UNK	0:00:				UNK	1326:40:			<b>1673:20:</b>	
206-011-810-153	Tail Rotor Hub Assy	A-6570	<b>2500:</b>		2413:20:	21/05/1999	0:00:	N/P				1326:40:	N/P			<b>1173:20:</b>	
206-040-400-013	Tail Rotor Gear Box	A-65	<b>6000:</b>		2413:20:	21/05/1999	1822:15:	435:55:				3148:55:	1762:35:			<b>4237:25:</b>	
206-0760-22-101	Hyd. Pump & Reservoir	05273	<b>3600:</b>		2413:20:	21/05/1999	7152:35:	0:00:				8479:15:	1326:40:			<b>2273:20:</b>	
206-076-031-13	Hydraulic Servo	6000	<b>3600:</b>		2413:20:	21/05/1999	3554:00:	0:00:				4880:40:	1326:40:			<b>2273:20:</b>	
206-076-031-13	Hydraulic Servo	3122	<b>3600:</b>		2413:20:	21/05/1999	3554:00:	0:00:				4880:40:	1326:40:			<b>2273:20:</b>	
206-076-031-13	Hydraulic Servo	34	<b>3600:</b>		2413:20:	21/05/1999	5764:15:	0:00:				7090:55:	1326:40:			<b>2273:20:</b>	
23032-027	Starter Generator	15937	<b>1000:</b>		3258:40:	05/07/2005	UNK	0:00:				UNK	481:20:			<b>518:40:</b>	

## INSPECTION REQUIREMENTS

**Helicopter Model** B-206B3    **s/n.:** 2800    **marks:** EC-JDF    **t.t.:** 3740:00    **situation of the:** 21/09/2007  
**Engine # 1 s/n.:** CAE-831760    **t.t.:** 3776:25    **cycle:** 5.746,00  
**Engine # 2 s/n.:** N/A    **t.t.:** N/A    **cycle:** N/A

### LIFE LIMITED COMPONENTS

( Ref. Chapter 4 of the Maintenance Manual Bell 206 A/B Series)

Part Number	Description	S/N.	Retirement Life		Installation date			Life Component		Residue		Remove		Note	
			Hours	Months	Hours	Heli Date	Component		Hours	Years	Hours	Days	Heli T.T. or Date		
							Hours	Years					Hours		Date
<b>MAIN ROTOR HUB AND BLADES</b>															
206-010-101-129	Main Rotor Yoke	AFS-4267	O/C		2413:20:	21/05/1999	0:00:		1326:40:		O/C	-	O/C	-	
206-010-200-133	Main Rotor Blade Assy	A-4508	5000:		2413:20:	21/05/1999	0:00:		1326:40:		3673:	-	7413:20:	-	
206-010-200-133	Main Rotor Blade Assy	A-4483	5000:		2413:20:	21/05/1999	0:00:		1326:40:		3673:	-	7413:20:	-	
206-010-102-121A	Grip	AFS-7046	4800:		2413:20:	21/05/1999	514:25:		1841:05:		2958:	-	6698:55:	-	
206-010-102-013	Grip	J11-9553	4800:		2413:20:	21/05/1999	1198:10:		2524:50:		2275:	-	6015:10:	-	
206-011-113-103	Trunnion	A-8479	4800:		2413:20:	21/05/1999	0:00:		1326:40:		3473:	-	7213:20:	-	
206-011-154-105	Retention Strap	PTE	1200:	24	3740:00:	20/09/2007	0:00:	0	0:00:		1200:	730	1200:00:	19/09/2009	
206-011-154-105	Retention Strap	PTE	1200:	24	3740:00:	20/09/2007	0:00:	0	0:00:		1200:	730	1200:00:	19/09/2009	
206-010-123-003	Retention Strap Pin	AFS-22389	1200:		3558:30:	06/08/2006	0:00:		181:30:		1018:	-	4758:30:	-	
206-010-123-003	Retention Strap Pin	AFS-22337	1200:		3558:30:	06/08/2006	0:00:		181:30:		1018:	-	4758:30:	-	
206-011-140-001	Fitting	AFS-28260	1200:		3558:30:	06/08/2006	0:00:		181:30:		1018:	-	4758:30:	-	
206-011-140-001	Fitting	AFS-28135	1200:		3558:30:	06/08/2006	0:00:		181:30:		1018:	-	4758:30:	-	
206-011-260-103	Latch Bolt	DI-4517	2500:		2413:20:	21/05/1999	514:23:		1841:03:		658:	-	4398:57:	-	
206-011-260-103	Latch Bolt	DI-4501	2500:		2413:20:	21/05/1999	514:23:		1841:03:		658:	-	4398:57:	-	
<b>SWASHPLATE AND SUPPORT</b>															
206-010-407-001	Collective Idler Link	REFS-01925	4800:		2413:20:	21/05/1999	0:00:		1326:40:		3473:	-	7213:20:	-	
206-010-452-113	Support Assy	RE-07723	4800:		2413:20:	21/05/1999	0:00:		1326:40:		3473:	-	7213:20:	-	
206-010-467-001	Collective Lever	REFS-00869	4800:		2413:20:	21/05/1999	0:00:		1326:40:		3473:	-	7213:20:	-	
206-010-454-109	Swashplate Sleeve Assembly	RE-07195	4800:		2413:20:	21/05/1999	0:00:		1326:40:		3473:	-	7213:20:	-	
206-001-194-001	Lower Collective Tube	MSFS-4870	4800:		2413:20:	21/05/1999	0:00:		1326:40:		3473:	-	7213:20:	-	
<b>TAIL ROTOR HUB AND BLADES</b>															
206-016-201-131	Tail rotor blade	CS-5355	2500:		2413:20:	21/05/1999	0:00:		1326:40:		1173:	-	4913:20:	-	
206-016-201-131	Tail rotor blade	CS-5353	2500:		2413:20:	21/05/1999	0:00:		1326:40:		1173:	-	4913:20:	-	
206-011-819-109	Tail Rotor Yoke	AFS-8558	5000:		2413:20:	21/05/1999	0:00:		1326:40:		3673:	-	7413:20:	-	
<b>POWER TRAIN</b>															
206-040-002-007	Mast Assembly	FAFJ-57274	O/C		2413:20:	21/05/1999	8005:00:		9331:40:		O/C	-	O/C	-	
CL42250-1	Clutch, Freewheel	FD-13045	3000:		2413:20:	21/05/1999	0:00:		1326:40:		1673:	-	5413:20:	-	





## DIRECTIVAS

AcTT: 3740:00

FICHA DE LA AERONAVE

21/09/2007

EC-JDF

AD	SB/SL/SI	REEMPLAZA A:	FABRICANTE	CUMPLIMENTACIÓN		AP	N/A BY	PERIODICIDAD		PRÓXIMA INSPECCIÓN		OBSERVACIONES
				HORAS	FECHA			HORAS	MESES	HORAS	MESES	
<b>CELULA N/S 2800</b>												
71-18-04	---	71-07-03	BELL			N/A	P/N de las palas					To detect and prevent possible corrosion and fatigue crack in blade spar
72-19-01	---	72-18-05	BELL			N/A	P/N fittings					To prevent possible failure of the main rotor retention strap fitting
73-08-03	206-01-73-2	73-05-04	BELL			N/A	P/N de pylon supports					To prevent possible failure of pylon support link
73-12-01	206-01-73-1		BELL			N/A	S/N					To detect possible fatigue cracks in the skin of the vertical fin
73-19-08	206-04-73-1		BELL			N/A	P/N de fittings					To prevent possible fatigue cracks in the main rotor retention strap fittings
73-19-09	---		BELL			N/A	P/N de tubes					To detect and prevent possible corrosion and cracks in the main rotor blade pitch link tubes
73-21-03	206-01-73-5		BELL			N/A	S/N					To detect possible fatigue cracks in the vertical fin support forgings in the area of the fin
74-08-12	206-01-73-4		BELL			N/A	S/N					To detect loose rivets in the tail boom skin splice
74-19-03	---		BELL			N/A	S/N					To prevent possible failure of the inboard ribs
74-24-01	---	74-20-03	BELL			N/A	P/N de los grips					To prevent possible failure of certain main rotor blade grips
74-25-10	206-50-74-1		BELL			N/A	P/N del kit de freno					To prevent failure of the rotor brake disc
75-06-03	---		BELL			N/A	P/N de link					To detect possible fatigue cracks in each main rotor pitch link assembly
75-06-10	206-01-74-2		BELL			N/A	S/N					To prevent possible failure of the cabin roof straps
75-09-09	---		BELL			N/A	S/N					To prevent possible failure of the tail rotor control tube assembly
75-18-07	206-75-3		BELL			N/A	S/N					To prevent loss of attaching bolt torque for the main rotor blade hub pillow blocks
76-04-09	206-04-1-74-1		BELL			N/A	S/N					To detect and prevent possible cracks in the main rotor hub yokes
76-05-01	---		BELL			N/A	S/N					To prevent possible failure of the inboard ribs on the horizontal stabilizers
76-15-03	206-76-4B		BELL			N/A	P/N straps					To detect straps with inadequate torsional resistance or stiffness
77-10-06	206-76-12		BELL			N/A	S/N					To minimize the possibility of loss of directional control due to failure of the tail rotor
78-11-02	---	76-24-08	BELL			N/A	P/N straps					To prevent M/R blades from departing the helicopter
78-16-01	206-76-2		BELL			N/A	S/N					To minimize the possibility of loss of directional control due to failure of the tail rotor
79-10-01	---		BELL			N/A	No montar flotadores					To prevent possible puncturing of the Bell pop-out floats
80-17-05	206-78-3		BELL			N/A	P/N de las palas					To prevent possible failure of tail rotor blades
80-18-04	206-80-7		BELL			N/A	P/N del trunnion					To prevent possible failure of the main rotor trunnion
81-18-01	206-80-7		BELL	2413:20	21-05-99			Incorporado en los elementos con vida límite				To prevent failure of the trunnion due to fatigue cracks
85-25-01	206-85-29		BELL	2413:20	21-05-99							To prevent failure of the cyclic control stick
85-26-06	206-85-28	82-17-04	BELL			N/A	P/N de las palas					To prevent possible loss of the tail rotor tip block
86-24-01	---		BELL			N/A	P/N del yoke					To prevent failure of the T/R pitch links
87-10-11	206-87-37		BELL			N/A	S/N del mastil					To prevent failure of the main rotor mast
88-23-03	---		BELL			N/A	P/N del yoke					To prevent the failure of the tail rotor yoke assembly
89-10-11	---		BELL			N/A	Equipo no instalado					To prevent possible in-flight engine flameout
89-22-01	---		BELL			N/A	P/N de las palas					To prevent failure and separation of the main rotor blades
90-13-01	---		BELL			N/A	P/N de las palas					To prevent failure of a tail rotor blade assembly
90-21-03	---		BELL			N/A	P/N de las palas					To prevent the loss of a tip weight, failure of the tail rotor blade assembly
91-03-12	206-89-49		BELL			N/A	No montar flotadores					To prevent unequal float inflation
92-01-05	---		BELL			N/A	P/N de las palas					To prevent failure and separation of the main rotor blades
92-06-12	206-90-56		BELL			N/A	S/N del piñon planetario					To prevent premature wear of the sungear and mating spur gears
92-09-07	206-91-60		BELL			N/A	P/N de la aleta vertical					To prevent failure of the vertical fin supports
94-15-07	206-93-77		BELL	2413:20	21-05-99							To prevent failure of a main rotor blade
94-19-02	206-93-74		BELL			N/A	P/N del support assy					To prevent failure of the swashplate support assembly
94-20-03	206-93-75	93-22-11	BELL	2413:20	21-05-99							To prevent pitch link misalignment
94-24-11	206-92-69		BELL	2413:20	21-05-99							To prevent misalignment of the tail rotor drive shaft
95-09-06	206-90-54		BELL	2413:20	21-05-99							To prevent the fuel valve switch from being inadvertently placed in the "OFF" position
95-11-14	---		BELL			N/A	P/N de los crosstubes					To prevent failure of the crosstubes
95-24-06	02-680	91-23-15	BELL			N/A	modelo motor					To alert the pilot of a potential false engine-out warning
96-06-04	206-93-76	81-04-08	BELL	2413:20	21-05-99							To prevent failure of the main transmission input driveshaft assembly
01-02-03	206-00-93		BELL	2521:00	30-05-00							Inspection and Modifying Collective Lever Assemblies
03-13-14	206-01-96		BELL			N/A	P/N chip detector					To prevent failure of a chip detector indication
04-24-08	206-04-100		BELL			N/A	S/N de las palas					To prevent blade failure
05-16-04	AA-03121		BELL			N/A	P/N de crosstubes (FW -017; AFT -018)					To detect a crack in the crosstube

MOTOR LH : S/N CAE-831760											
72-03-06	---		ALLISON			N/A	P/N de la 2a etapa				To ensure adequate life limit margin for Allison P/Ns 6857912 and 6871872 2° stage turbine wheels
73-19-07	1040		ALLISON			N/A	Modelo FCU				To prevent failure of the P/N 6875621 power turbine governor-to-fuel control fuel tube
74-14-03	---		ALLISON			N/A	Modelo FCU				To prevent after fires resulting from incomplete fuel cut-off at engine shutdown
77-09-08	1116		ALLISON	638:20	09-02-83						To prevent engine power loss resulting from bleed valve diaphragm failure
77-15-12	1060		ALLISON	788:25	07-04-89						To preclude possible engine failure resulting from power turbine coupling nut failure
78-14-08	1007		ALLISON			N/A	P/N de la bomba				To preclude possible engine flameout resulting from fuel pump drive spline failure
79-21-01	1084		ALLISON			N/A	P/N de la 3ª etapa				To preclude possible engine power loss resulting from third stage turbine wheel blade separation
82-13-03	A-1144		ALLISON			N/A	Modelo FCU				To prevent possible power turbine overspeed
82-24-05	A-1206		ALLISON			N/A	P/N FCU y Governor				To prevent possible engine power loss
83-03-02	A-1146	77-18-03	ALLISON			N/A	S/N				to prevent possible engine power loss resulting from partial blade and/or shroud separation
88-17-01	A-1231		ALLISON			N/A	modelo motor				To prevent possible engine over-temperature
96-19-01	T95-SB001		ALLISON	2401:00	06-05-99						To prevent bearing failure due to bearing separator instability
98-24-28	GTSB-242		ALLISON			N/A	modelo motor				To prevent main fuel control (MFC) bellows assembly leakage
01-24-12	---	01-20-51	ROLLS ROYCE			N/A	TSN				To prevent uncontained release of power turbine blades and disk fragments
04-24-09	A-1394		ROLLS ROYCE			N/A	P/N del inyector				To minimize the risk of sudden loss of engine power and uncommanded shutdown of the engine
04-26-09	A-1392		ROLLS ROYCE					4204:30	01-03-12		Engine shutdown caused by compressor adaptor coupling failure
05-10-13	A-1255		ROLLS ROYCE						31-10-11		To minimize the risk of uncontained 1st stage turbine wheel fragments