

CHAPTER 4 — AIRWORTHINESS LIMITATIONS SCHEDULE

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The Airworthiness Limitations Schedule is approved by the Minister and specifies the maintenance required by any applicable airworthiness or operational rules unless an alternative program has been approved by the Minister.

07 day **Chief Engineering**

Aircraft Certification Transport Canada

Be‼	Helicopter
	A Textron Company

TC APPROVED

REVISION NO.	DATE OF SIGNATURE	TC SIGNATURE
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AIRWORTHINESS LIMITATIONS SCHEDULE

4-1. AIRWORTHINESS LIMITATIONS SCHEDULE



ALL REPAIR AND OVERHAUL PROCEDURES LIVES PUBLISHED BY HELICOPTER BELL TEXTRON. INCLUDING COMPONENT RETIREMENT LIFE, ARE BASED SOLELY ON THE USE OF BELL APPROVED PARTS AND PROCESSES. IF PARTS OR OR PROCESSES DEVELOPED APPROVED BY PARTIES OTHER THAN BELL HELICOPTER ARE USED. THEN THE DATA PUBLISHED OR OTHERWISE SUPPLIED BY BELL HELICOPTER ARE NOT APPLICABLE. THE USER IS WARNED TO NOT RELY ON BELL HELICOPTER DATA FOR PARTS AND PROCESSES NOT APPROVED BY BELL HELICOPTER. ALL APPLICABLE INSPECTIONS AND REPAIR METHODS MUST BE OBTAINED FROM THE SUPPLIER OF THE PARTS OR PROCESSES NOT APPROVED BY BELL HELICOPTER. BELL HELICOPTER IS NOT RESPONSIBLE FOR PARTS OR PROCESSES OTHER THAN THOSE WHICH IT HAS ITSELF DEVELOPED OR APPROVED.



CONTINUED USE OF ANY TIME/ CALENDAR/RIN LIFE LIMITED COMPONENT PAST ITS STATED LIMITS IS NOT PERMITTED AS IT COULD SERIOUSLY AFFECT THE AIRWORTHINESS OF THE HELICOPTER. THE COMPONENT MUST BE REMOVED FROM THE HELICOPTER NOT LATER THAN THE END OF THE LIFE LIMIT. IT MUST EITHER BE MADE UNSERVICEABLE OR MARKED IN A CONSPICUOUS MANNER TO PREVENT CONTINUED USE, EVEN INADVERTENT USE.

THE TIME/CALENDAR/RIN LIFE MUST NOT BE EXCEEDED WITHOUT THE EXPRESS WRITTEN AGREEMENT OF BELL HELICOPTER AND THE LOCAL CERTIFICATION AUTHORITIES.

WHEN A REPLACEMENT PART IS INSTALLED, THE PART NAME, PART NUMBER, SERIAL NUMBER, AND CURRENT OPERATING HOURS, IF APPLICABLE, MUST BE RECORDED IN THE HISTORICAL SERVICE RECORD FOR THE ASSEMBLY OR HELICOPTER.

NOTE

The requirements stated in Chapter 5 are to be complied with and the appropriate maintenance actions are to be performed.

NOTE

The airworthiness life or inspection interval for any part number contained in this schedule applies to all the successive dash numbers for that component unless it is otherwise specified.

The mandatory airworthiness limitations schedule (Table 4-1) summarizes the mandatory maximum life, in hours, years (months) or by Retirement Index Number (RIN) of components with a limited airworthiness life. Parts that are not on the schedule have an unlimited airworthiness life.

Refer to the engine manufacturer's publications for the airworthiness limitations schedule of the engine and components.



SOME PARTS ARE INSTALLED AS ORIGINAL EQUIPMENT ON BOTH AND MILITARY COMMERCIAL HELICOPTERS AND MAY HAVE A LOWER AIRWORTHINESS LIFE AND/OR OVERHAUL SCHEDULE WHEN USED ON A MILITARY HELICOPTER. IN ADDITION. CIRCUMSTANCES SURROUNDING THEIR USE MAY CALL FOR OPERATION OF THE MILITARY HELICOPTER OUTSIDE OF THE APPROVED COMMERCIAL FLIGHT ENVELOPE. CONSEQUENTLY, PARTS THAT HAVE BEEN USED ON MILITARY HELICOPTERS SHOULD NOT BE USED ON COMMERCIAL HELICOPTERS.

CAUTION

AIRWORTHINESS LIFE OF SOME KIT COMPONENTS MAY NOT BE COVERED IN THIS SCHEDULE. REFER TO APPLICABLE SERVICE INSTRUCTION (SI) OR MAINTENANCE MANUAL SUPPLEMENT (MMS) FOR KIT COMPONENTS' SCHEDULE.

NOTE

The airworthiness life given or the failure to give an airworthiness life to a component does not constitute a warranty of any kind. The only warranty applicable to the helicopter or any component is the warranty included in the Purchase Agreement for the helicopter or the component.

The airworthiness lives given to the components and assemblies are determined by experience, tests and the judgment of Bell Helicopter engineers. The airworthiness lives and inspection intervals cannot be changed without the approval of the Minister of Transport Canada.

Prior to disposing of unsalvageable helicopter parts and materials, caution should be exercised to ensure that the parts and materials are disposed of in a manner that does not allow them to be returned for service. Refer to FAA Advisory Circular 21-38 for guidance on the disposal of unsalvageable helicopter parts and materials.

COMPONENT			AIRWORTHINESS LIFE		
		MAIN ROTOR HUB AND BLADES			
	Yoke	206-010-101-001/-009/-013/ -019/-021	$\underline{2}$ 10 years		
	Grip	206-010-102-009/-013/-121	4800 hours		
	Trunnion	206-010-104-003	3 2400 hours		
	Retention Strap	206-010-105-003/-005	6		
	Retention Strap Pin	206-010-123-001	100 hours		
	Retention Strap Pin	206-010-123-003	20 1200 hours		
	Retention Strap Fitting	206-010-155-007	100 hours		

Table 4-1. Airworthiness Limitations Schedule

Self Helicopter A Textron Company

BHT-206A/B-SERIES-MM-1

•				_
COMPONENT		AIRWC	ORTHINESS LIFE	
	MAIN ROTOR HUB AND BLADES (CO	NT)		-
Retention Strap Fitting	206-010-155-011/-015	4	1200 hours	-
Latch Bolt	206-010-169-001/-003	43		
Blade	206-010-200-029	8		
Blade	206-010-200-033/-133/-137/ -139/-141	27	5000 hours	
Trunnion	206-011-113-001	3	2400 hours	
Trunnion	206-011-113-103	16	4800 hours	
Latch Bolt	206-011-122-003	43		
Retention Strap Fitting	206-011-124-001		2400 hours	
Retention Strap Pin	206-011-125-001		1200 hours	
Retention Strap Pin	206-011-125-105		2500 hours	
Grip	206-011-132-009/-113	<u>/</u> 5	4800 hours	
Retention Strap Fitting	206-011-140-001		1200 hours	
Retention Strap	206-011-147-001/-003/-005/-007	7 26	1200 hours/24 months	
Retention Strap Fitting	206-011-150-101/-105		2400 hours	
Retention Strap	206-011-154-101/-103/-105/-107	7 26	1200 hours/24 months	
Latch Bolt	206-011-260-101	17 /22	1200 hours	
Latch Bolt	206-011-260-103	17	2500 hours	
	SWASHPLATE AND SUPPORT			-
Upper Collective Tube	206-001-024-017/-027	42	4800 hours	-
Lower Collective Tube	206-001-194-001		4800 hours	
Lower Cyclic Tube	206-001-194-005		Unlimited	
Lower Cyclic Tube	206-001-194-101	23	15,000 hours	
Bellcrank Support	206-001-521-005/-006	32		
Bellcrank Support	206-001-521-005/-006	32		

206-001-521-013/-014

206-001-524-001/-011/-015

Table 4-1. Airworthiness Limitations Schedule (Cont)

Bellcrank Support

Lower Collective Tube

4800 hours

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COMPONENT		AIRWORTHINESS LIFE
s	WASHPLATE AND SUPPORT (CONT	-)
Servo Actuator Support	206-001-566-001/-101	10,000 hours
Servo Actuator Support	206-001-566-105	23 5000 hours
Collective Idler Link	206-010-407-001	4800 hours
Swashplate Duplex Bearing	206-010-420-001/-003	1200 hours
Swashplate Support Assembly	206-010-452-001/-005/-109	<u>∕</u> 9 4800 hours
Swashplate Support Assembly	206-010-452-113	4800 hours
Swashplate Sleeve Assembly	206-010-454-001/-005	4800 hours
Swashplate Sleeve Assembly	206-010-454-109/-113	14,400 hours
Collective Lever	206-010-467-001/-105	4800 hours
Servo Actuator	206-076-023-001/-003	30 875 hours
Servo Actuator	206-076-024-ALL	30 875 hours
Servo Actuator	41103750/-2	30 875 hours
Servo Actuator	41103650-005	30 875 hours
	POWER TRAIN	
Mast	206-010-332-001	33 1200 hours
Spider	206-040-041-001	31 500 hours
Tail Rotor Gearbox Duplex Bearing	206-040-410-003/-005/-101	14 3000 hours
Sun Gear	206-040-662-101	34
Oil Cooler Fan Impeller	206-061-432-011	24
Freewheel Clutch	CL41742/-1	3000 hours
Freewheel Clutch	CL42250-1	3000 hours
Freewheel Clutch	X136028	1200 hours
Oil Cooler Fan Impeller	SPL610-216	1200 hours
	TAIL ROTOR HUB AND BLADES	
Tail Rotor Blade	206-010-750-003/-005/-007	ho
Tail Rotor Trunnion	206-010-776-001	$\cancel{11}$ 2400 hours

Table 4-1. Airworthiness Limitations Schedule (Cont)

Self Helicopter A Textron Company

BHT-206A/B-SERIES-MM-1

COMPONENT		AIRWORTHINESS LIFE
	TAIL ROTOR HUB AND BLADES (COM	νT)
Tail Rotor Yoke	206-010-788-001	1200 hours
Tail Rotor Yoke	206-011-802-001	$\cancel{11}$ 1200 hours
Tail Rotor Trunnion	206-011-803-001/-005	<u>∕11</u> 2400 hours
Tail Rotor Yoke	206-011-811-001/-005	12
Tail Rotor Yoke	206-011-811-009	4800 hours
Tail Rotor Yoke	206-011-811-123/-125	1800 hours
Tail Rotor Yoke	206-011-819-101/-105/-109	25 5000 hours
Tail Rotor Blade	206-016-201-001/-103/-107/ -113/-115	2400 hours
Tail Rotor Blade	206-016-201-125/-127/-131/ -133/-135/-137	28 /29 2500 hours
Tail Rotor Blade	206-016-501-001	200 hours

MISCELLANEOUS				
Landing Gear Crosstube Assembly	206-050-107-ALL	21		
Emergency Lightweight Flotation Landing Gear Crosstube Assembly	206-050-107-025/-027/-119/-121	37		
Landing Gear Crosstube Assembly	206-050-119-ALL	21		
Emergency Flotation Landing Gear Crosstube Assembly	206-050-134-001/-003/-005/ -007/-011/-105	36		
Fixed Float Landing Gear Crosstube Assembly	206-050-157-001/-003	38		
Fixed Float Landing Gear Crosstube Assembly	206-050-169-001/-003	35		
Emergency Floats Cylinder	206-073-818-001	10 years		
Emergency Floats Cylinder	206-073-839-103	40 15 years		
Emergency Floats Cylinder	206-073-848-113/ -121 (1271226)	40 15 years		

Table 4-1. Airworthiness Limitations Schedule (Cont)

Bell Helicopter

COMPONENT	PART NUMBER	AIRWORTHINESS LIFE
	MISCELLANEOUS (CONT)	
Emergency Floats Cylinder	206-073-919-001/-003/-005/-007	▲1 10 years
Emergency Floats Cylinder	206-073-922-101	10 years
Emergency Floats Cylinder	206-073-929-003/-101/-103	10 years
Emergency Floats Cylinder	206-073-930-101	10 years
Emergency Floats Cylinder	1269556-3/-4	40 15 years
Emergency Floats Cylinder	23711982	40 15 years
Emergency Floats Cylinder	274645	40 15 years
Squib, Emergency Floats	94455	15
	POWER PLANT	
Turboshaft Engine	250-C18 Series	Refer to Rolls-Royce 250-C18 Series Operation and Maintenance Manual, 5W2
Turboshaft Engine	250-C20 Series	Refer to Rolls-Royce 250-C20 Series Operation and Maintenance Manual, 10W2
	AIRFRAME	
Pylon Support Link	206-031-508-005/-007	13

Table 4-1. Airworthiness Limitations Schedule (Cont)

NOTES:

- Airworthiness limitation for part number listed applies to all successive dash numbers for that component unless otherwise specified.
- Yokes 206-010-101-125/-129 are not listed and are conditional. All yokes listed have a 10-year airworthiness life. Yokes in use as of 17 July 1979, with less than 5 years in service, shall be removed after 10 years. Yokes in use as of 17 July 1979, with more than 5 years in service, will have been removed by 1 January 1984. Refer to ASB 206-79-4, dated 17 July 1979.
- Trunnions 206-010-104 and 206-011-113-001 with more than 2400 hours in service, or time in use unknown, will have been removed from service by 1 September 1981. Refer to ASB 206-80-7 Rev. B, dated 15 October 1980.
- Retention strap fittings 206-010-155-011/-015 will have been removed from service no later than 1 January 1979. Refer to ASB 206-76-7, dated 13 August 1976 and note <u>6</u>.



NOTES (CONT):

Grip 206-011-132-009, with serial numbers listed below, have a 1200-hour airworthiness life. The serial numbers not listed below have a 4800-hour airworthiness life. These parts are originally delivered on Bell 206L1, but could have found their way to the 206A/B series. Refer to ASB 206L-80-15, dated 29 July 1980.

A1-00001	A1-00029	A1-00050	A1-00077	A1-00099	A1-00132
A1-00004	A1-00031	A1-00053	A1-00078	A1-00100	A1-00133
A1-00005	A1-00032	A1-00054	A1-00080	A1-00101	A1-00134
A1-00006	A1-00033	A1-00055	A1-00083	A1-00103	A1-00135
A1-00007	A1-00034	A1-00056	A1-00084	A1-00104	A1-00136
A1-00009	A1-00035	A1-00057	A1-00085	A1-00105	A1-00192
A1-00010	A1-00036	A1-00059	A1-00086	A1-00106	A1-00222
A1-00014	A1-00038	A1-00061	A1-00087	A1-00111	A1-00248
A1-00016	A1-00039	A1-00062	A1-00088	A1-00113	A1-00287
A1-00017	A1-00040	A1-00064	A1-00089	A1-00115	A1-00300
A1-00019	A1-00042	A1-00066	A1-00090	A1-00116	A1-00305
A1-00021	A1-00043	A1-00067	A1-00091	A1-00118	A1-00308
A1-00022	A1-00044	A1-00068	A1-00092	A1-00119	
A1-00023	A1-00046	A1-00071	A1-00093	A1-00120	
A1-00024	A1-00047	A1-00073	A1-00095	A1-00124	
A1-00027	A1-00048	A1-00074	A1-00096	A1-00130	
A1-00028	A1-00049	A1-00075	A1-00098	A1-00131	

- Retention straps 206-010-105-003/-005 will have been removed from service no later than 1 January 1979. Refer to ASB 206-78-1, dated 14 April 1978 and FAA AD 78-11-02 R1, dated 15 December 1988.
- Retention straps 206-011-147 and 206-011-154 have airworthiness lives of 1200 hours or 24 months, whichever occurs first. The calendar life of 24 months starts when new straps are installed in a main rotor hub and blade assembly, and are subjected to rotation on the helicopter. Refer to ASB 206-80-9, dated 3 June 1980.
- Main rotor blade 206-010-200-029 will have been retired no later than 31 March 1976. Refer to ASB 206-75-10, dated 13 November 1975.
- Swashplate supports 206-010-452-001/-005/-109 with more than 1500 hours in service are subjected to a visual inspection every 50 hours. The supports may remain in service until a crack is found or until a total of 4800 hours time in service is accumulated. Refer to ASB 206-93-74 Rev. B, dated 4 April 1994.



NOTES (CONT):

- Tail rotor blade 206-010-750 will have been retired no later than 1 July 1981. Refer to ASB 206-80-12, dated 9 September 1980.
- Tail rotor yokes 206-010-788, 206-011-802 and trunnions 206-010-776-001, 206-011-803-001 are not authorized after 1 July 1981. Yokes are to be replaced concurrently with the replacement of tail rotor blade 206-010-750. See also note f_{10} . Refer to ASB 206-75-4, dated 15 May 1975.
- Tail rotor yokes 206-011-811-001/-005 are not authorized after 1 July 1981. Yokes were reidentified as 206-011-811-123/-125 concurrently with the replacement of tail rotor blade 206-010-750. Yokes that have been reidentified have an 1800-hour airworthiness life starting with the reidentification. Refer also to note Δ .
- Aluminum links 206-031-508-005/-007 have been removed from service. Refer to ASB 206-01-73-6, dated 19 September 1973 and FAA AD 73-8-3, dated 18 April 1973.
- Duplex bearings 206-040-410-001/-103 installed in tail rotor gearbox 206-040-400-(ALL) are conditional. Duplex bearings 206-040-410-003/-005/-101 installed in tail rotor gearbox 206-040-402-(ALL) have a life of 3000 hours.
- Cartridge 94455 has a 5-year shelf life and a 5-year in-service life. These lives can be combined for a total of 10 years. Refer to IL GEN-93-52, dated 21 June 1993.
- Selected serial numbers of main rotor trunnion 206-011-113-103 will have been removed from service no later than 30 November 1994. Refer to ASB 206-94-80, dated 5 August 1994 for list of serial numbers affected.
- Latch bolts 206-011-260-101/-103 that have a serial number with the prefix "SC", purchased as spares will have been removed from service no later than 3 December 1992. Refer to ASB 206-92-70, dated 3 December 1992.
- Selected serial numbers of tail rotor hub assemblies 206-011-810-015 and tail rotor yokes 206-011-811-009 must be removed from service. Refer to ASB 206-89-47 Rev. A, dated 29 August 1989 for list of serial numbers affected.
- Retention strap pin 206-010-123-001 and fitting 206-010-155-007 have been removed from service. Refer to FAA AD 72-19-1, dated 7 September 1972.
- Refer to ASB 206(04-1)-73-1, dated 25 June 1973.
- Crosstube assemblies 206-050-107-(ALL) and 206-050-119-(ALL) must be removed from service. Refer to ASB 206-94-78, dated 11 April 1994.
- Usable only with main rotor hub 206-011-100-127. Refer to TB 206-91-133 Rev. A, dated 1 July 1998.
- Usable only on model 206B, S/N 5101 and subsequent. These part numbers are reserved for US Army, model TH-67 training helicopters. Refer to ASB 206-96-87 Rev. A, dated 22 March 1996.
- Oil cooler impeller 206-061-432-011 will have been removed from service no later than 1 March 1978. Refer to ASB 206-77-10 Rev. A, dated 21 February 1978.



NOTES (CONT):

- Selected serial numbers of tail rotor yokes 206-011-819-101 must be removed from service. Refer to ASB 206-88-41, dated 28 January 1988 for list of serial numbers affected.
- Selected serial numbers of retention straps 206-011-147-007 and 206-011-154-101/-105 must be removed from service. Refer to ASB 206-89-46 Rev. A, dated 29 August 1989 for list of serial numbers affected.
- Selected serial numbers of main rotor blades 206-010-200-033 must be removed from service. Refer to ASB 206-89-50 Rev. A, dated 29 November 1989 for list of serial numbers affected.
- Selected serial numbers of tail rotor blades 206-016-201-113/-127 must be removed from service. Refer to ASB 206-90-57, dated 27 June 1990 for list of serial numbers affected.
- Selected serial numbers of tail rotor blades 206-016-201-125/-127 must be removed from service. Refer to ASB 206-90-58 Rev. A, dated 31 October 1990 for list of serial numbers affected.
- Refer to ASB 206A-12 Rev. A, dated 8 April 1970. Servo actuator 206-076-023 is equivalent to Hydraulic Research part number 41103750 and servo actuator 206-076-024 is equivalent to Hydraulic Research part number 41103650.
- $\underline{31}$ Refer to ASB 206A-14 Rev. A, dated 8 April 1970.
- Cyclic control bellcrank support assembly 206-001-521-005/-006 will have been removed from service no later than 15 July 1969. Refer to ASB 206A-11 Rev. B, dated 29 September 1969.
- Masts 206-010-332-005/-009/-013/-017/-121 are not listed and are conditional. Selected serial numbers of main rotor mast 206-010-332-121 will have been returned to Bell Helicopter Textron for metallurgical evaluation no later than 31 May 1987. Affected masts inspected at BHT and found to be acceptable have a suffix "U" added to the serial number. Refer to ASB 206-87-37, dated 23 April 1987 for list of serial numbers affected.
- Selected serial numbers of sun gear 206-040-662-101 will have been removed from service no later than 15 January 1991. Refer to ASB 206-90-56 Rev. A, dated 15 January 1991 for list of serial numbers affected.
- Fixed float landing gear crosstubes 206-050-169-001/-003 must be removed from service. Refer to ASB 206-94-81 Rev. A, dated 17 August 1994.
- Emergency flotation landing gear crosstubes 206-050-134-001/-003/-005/-007/-011/-103/-105 must be removed from service. Refer to ASB 206-94-82 Rev. A, dated 17 April 1995.
- Emergency lightweight flotation landing gear crosstubes 206-050-107-025/-027/-119/-121 must be removed from service. Refer to ASB 206-94-83, dated 6 September 1994.
- Fixed float landing gear crosstubes 206-050-157-001/-003 must be removed from service. Refer to ASB 206-96-88, dated 3 June 1996.
- Usable only on model 206A, S/N 5001 through 5040. These part numbers are reserved for US Army, model TH-57 training helicopters.
- Cylinder per DOT-3HT and DOT-E7218 specifications. Refer to IL GEN-93-52, dated 21 June 1993.



NOTES (CONT):

- Cylinder per FAA specifications. Refer to IL GEN-93-52, dated 21 June 1993.
- 42 Upper collective tube 206-001-024-029 is not listed and is conditional.
- Main rotor latch bolts 206-010-169-001/-003 and 206-011-122-003 must be removed from service. Refer to ASB 206-06-109, dated 25 July 2006, and Transport Canada AD CF-2006-23, dated 6 November 2006.