101 – 3 LUBRICATION CHART

101 – 3.1 Lubrication Chart Basic-Helicopter

Maritime is going to perform all 600 lubrication items at 300 hr / 12 Months

NOTE Specifications and quantities of lubrication items are contained in Fig. 101-3.1. For intervals of oil change or regrease, refer to table 101-3.1.

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

	Inspection or Maintenance Work	Interval	Reference	Initial
	11 – MAIN TRANSMISSION			
A0351	(1) Change oil, inspect and clean filter element	50Fh TSN/TSO, 600Fh or 12 months TSN/TSO, then 600Fh or 12 months, whichever occurs first	11-4 and 11-13	
	32 – TAIL ROTOR DRIVE			
A0352	(1) Change oil of intermediate gearbox and tail rotor gearbox	50FhTSN/TSO, 600Fh or 12 months TSN/TSO, then 600Fh or 12 months, whichever occurs first	32-9	
	33 – TAIL ROTOR			
A0352	(1) Grease ball bearing of sliding sleeve	600Fh or 12 months, whichever occurs first	33-27 step 13	
A0352	(2) Grease splines of tail rotor shaft for sliding sleeve	600Fh or 12 months, whichever occurs first		
	41 – FLIGHT CONTROLS MAIN ROTOR			
A0353	(1) Grease swashplate bearing	600Fh or 12 months, whichever occurs first	41-74	
	43 – HYDRAULIC SYSTEM			
A0353	(1) Change hydraulic fluid	2 years	43-6	

Tabel 101-3.1 – Lubrication Chart Basic-Helicopter (1 of 2)

Inspection or Maintenance Work		Interval	Reference	Initial
	43 – HYDRAULIC SYSTEM			
A0353 (2)	Grease splines of hydraulic pump drive shaft	600Fh or 2 years, whichever occurs first	43-27, 43-29	
	61 – ENGINE			
(1)	**EFFECTIVITY** Grease lubricated starter-generator Remove starter-generators, clean splines of stub shaft and engine driveshaft and then lubricate with grease	200Fh	61-21, 61-23	

N/A Wet spline installed

Tabel 101-3.1 – Lubrication Chart Basic-Helicopter (2 of 2)

Technician	Date:	**Inspector**	Date:
Name	Signature	Stamp	Signature

101 - 5 SUPPLEMENTARY CHECK 25/50 FH

101 - 5.1 Supplementary Check 25/50 Fh Basic-Helicopter

101 - 5.1.1 Supplementary Check 25 Fh Basic-Helicopter

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

Inspection or Maintenance Work		Reference	Initial
GENERAL			
(1)	Review aircraft log book and ensure all recorded discrepancies have been corrected		
(2)	Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
(3)	Ensure compliance with all supplementary inspections and special inspections		
(4)	Ensure life–limited parts do not exceed service life		
(5)	Ensure TBO–components do not exceed TBO		
(6)	Ensure all required inspections of engines, equipment and components have been performed according to respective manufacturer's documentation		
(7)	Record compliance with these inspections in Historical Record		
11 - MAIN TRANSMISSION			
(1)	Deleted		
41 - MAIN ROTOR CONTROLS			
(1)	Deleted		
63 - LUBRICATION SYSTEM			
(1)	**EFFECTIVITY** Ram air ventilation not installed: Visually inspect baffle plate, located between oil cooler and fan, and attaching clamps for cracks.	N/A	

Table 101-5.1 - Supplementary Check 25 Fh Basic-Helicopter (1 of 1)

Technician	Date:	**Inspector**	Date:
Name	Signature	Stamp	Signature

101 – 5.1.2 Supplementary Check 50 Fh Basic-Helicopter

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

Inspection or Maintenance Work			Reference	Initial
		GENERAL		
(1)	Review aircraft log book and ensure all recorded discrepancies have been corrected			
(2)	Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives			
(3)	Ensure compliance with all supplementary inspections and special inspections			
(4)	Ensure life–limited parts do not exceed service life			
(5)	Ensure TBO–components do not exceed TBO			
(6)	Ensure all required inspections of engines, equipment and components have been performed according to respective manufacturer's documentation			
(7)	Record compliance with these inspections in Historical Record			
		11 – MAIN TRANSMISSION		
(1)	**EFFECTIVITY**	No electrical chip detector installed, post SB BO105–10–126: Inspect magnetic plug of main transmission for deposits and clean magnetic plug	11-18	N/A
		14 – MAIN ROTOR BLADE		
(1)	**EFFECTIVITY**	Main rotor blade type 2 *First time at 1000 Fh TSN of main rotor blade:* Inspect main rotor blade for bulging in the vicinity of balance weight 1	14-3, step 13	N/A
		32 – TAIL ROTOR DRIVE		
(1)	**EFFECTIVITY**	No electrical chip detector installed: Inspect magnetic plugs of tail rotor gearbox and intermediate gearbox for deposits and clean magnetic plugs	11-18	N/A

Table 101-5.2 – Supplementary Check 50 Fh Basic-Helicopter (1 of 2)

101 - 6 SUPPLEMENTARY CHECK 100 FH

101 - 6.1 Supplementary Check 100 Fh Basic-Helicopter

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

		Inspection or Maintenance Work	Reference	Initial
		GENERAL		
	(1)	Review aircraft log book and ensure all recorded discrepancies have been corrected		
	(2)	Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
	(3)	Ensure compliance with all supplementary inspections and special inspections		
	(4)	Ensure life-limited parts do not exceed service life		
	(5)	Ensure TBO-components do not exceed TBO		
	(6)	Ensure all required inspections of engines, equipment and components have been performed according to respective manufacturer's documentation		
	(7)	Record compliance with these inspections in Historical Record		
		11 - MAIN TRANSMISSION		
A0351, 52, 53	(1)	Inspect magnetic plug of main transmission for deposits and clean magnetic plug	11-18	
	(2)	Deleted		
A0351, 52, 53	(3)	Inspect filter element for deposits	11-13	
		14 - MAIN ROTOR BLADE		
	(1)	**EFFECTIVITY** Main rotor blade type 2 *First time at 1000 Fh TSN of main rotor blade:* Inspect main rotor blade for bulging in the vicinity of balance weight 1	14-3, step 13. N/A	
	(2)	**EFFECTIVITY** Discharger Adapter P/N L621M1007 205 Visualy inspection of corrosion and cracks	14-5, step . N/A	
		31 - TAIL BOOM ASSEMBLY		
A0351,52,53	(1)	**EFFECTIVITY** Tail boom assemblies up to S/N 350, if AB 15 not accomplished: Remove tail rotor shaft fairing and visually inspect in the vicinity of the three bearing brackets (P/N 105-30251.17/.18/.19) for cracks. Refer to AB 15 for further limitations	100 hour	
A0351,52,53	(2)	Inspect tail rotor gearbox attach fitting in vertical fin for loose rivets and cracks	31-2, step 5.	

Table 101-6.1 - Supplementary Check 100 Fh Basic-Helicopter (1 of 3)

	Inspection or Maintenance Work	Reference	Initial
	32 – TAIL ROTOR DRIVE		
A0351,52,53	(1) Inspect magnetic plugs of tail rotor gearbox and intermediate gearbox for deposits and clean magnetic plugs	32-56	
A0351,52,53	(2) **EFFECTIVITY** "Single webbed" type of gearbox housing (see Fig. 32-23): Visually inspect flange to housing transition area for cracks and conditions indicating presence of cracks, such as oil leakage and accumulation of dirt	ok	
	33 – TAIL ROTOR		
A0351,52,53	(1) Without disassembly, inspect spherical bearings in fork end of tail rotor shaft for play	33-21, step 1.c.	
	(2) **EFFECTIVITY** Tail rotor blade mounting forks made from aluminum alloy P/N 105–31711, 105–31722:	33-16, step 2. N/A	
	Inspect blade mounting forks for cracks		
	NOTE Remove tail rotor blade prior to inspection	34–4, 34–5	
A0351,52,53	(3) Inspect flapping hinge function	33-4, step 3	
	34 – TAIL ROTOR BLADE		
A0351,52,53	(1) **EFFECTIVITY** Pre SB BO 105–30–112: all tail rotor blades except P/N: 105–31791,105–317915, 105–31793, 105–31970, 105–31980 Post SB BO 105–30–112: all tail rotor blades except BO 105 CBS–5KLH and BO 105 CB–3	34-2, steps 2., 4., 6. thru 9., 12., 13. ok	
	Inspect tail rotor blade for impact damage and cracks in surface protection. The cover tape in the nose area does not have to removed.		
	41 – MAIN ROTOR CONTROLS		
	(1) **EFFECTIVITY** Lock washer not installed:	41-3, step 4.c. N/A	
	Inspect bolts connecting rotating control rods to control levers of main rotor head for tightness		
	61 – ENGINE		
A0351,52,53	(1) Visually inspect exhaust clamps for cracks, particularly near latches	61-3 ASB 105 60 107	

Table 101-6.1 – Supplementary Check 100 Fh Basic-Helicopter (2 of 3)

Inspection or Maintenance Work	Reference	Initial
63 – LUBRICATION SYSTEM		
A0351,52,53 (1) EFFECTIVITY Ram air ventilation not installed: Visually inspect baffle plate, located between oil cooler and fan, and attaching clamps for cracks	ok	

Table 101-6.1 – Supplementary Check 100 Fh Basic-Helicopter (3 of 3)

Technician	Date:	Inspector	Date:
Name	Signature	Stamp	Signature

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101 – 6.2 Supplementary Check 100 Fh Optional Equipment

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

	Inspection or Maintenance Work	Reference	Initial
	GENERAL		
(1)	Review aircraft log book and ensure all recorded discrepancies have been corrected		
(2)	Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
(3)	Ensure compliance with all supplementary inspections and special inspections		
(4)	Ensure life–limited parts do not exceed service life		
(5)	Ensure TBO–components do not exceed TBO		
(6)	Record compliance with these inspections in Historical Record		
	831 – LONG RANGE FUEL TANK		
(1)	Check long range fuel tank for condition (if tank remains installed)	831-4 Not installed	
	845 – CHIP WARNING INDICATION		
A0351, 52, 53 (1)	Inspect electrical chip detector on main transmission for deposits, then clean and functionally check chip detector	845-5	
	857 – CONTINUOUS IGNITION SYSTEM		
B0352, 54, 56 (1)	Check spark igniters for condition	857-4 OK	

Table 101-6.2 – Supplementary Check 100 Fh Optional Equipment (1 of 1)

Technician	Date:	**Inspector**	Date:
Name	Signature	Stamp	Signature

101 - 10 SUPPLEMENTARY INSPECTION ACCORDING TO OPERATING TIME IN FH AND/OR CALENDAR TIME

101 - 10.1 Supplementary Inspection according to Operating Time in Fh and/or Calendar Time Basic Helicopter

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

	Inspection or Maintenance Work	Interval	Reference	Initial
	11 - MAIN TRANSMISSION			
	(1) **EFFECTIVITY** Bolts with P/N 105-60701.15/.16: Remove bolts and inspect for condition	150Fh	11-54, 11-55, part A, step 10 or part B, step 5	NA
	(2) **EFFECTIVITY** Drive flange P/N 4619 302 037 on main transmission: Check torque of screw on drive flange. If torque is too low, remove drive flange and inspect for damage	300Fh	11-59, step 1 and 2, 11-60, step 11	NA
A4872	(3) Remove input drive shafts and inspect for condition	4800Fh or 6 years, whichever occurs first	11-54 thru 11-56	
A3048	(4) Remove transmission mounting struts and inspect for condition	3000Fh	11-50 thru 11-52	
A0640	(5) **EFFECTIVITY** Borg Warner free wheel unit P/N 4638202007: Remove freewheel unit and inspect for condition	1200Fh TSN, then every 600Fh	11-60, 11-64, 11-67	
	(6) **EFFECTIVITY** Kaflex shafts made by Kamatics Company: Remove drive shafts and send to manufacturer for assessment	6000Fh or 9 years, whichever occurs first	11-54	NA
	(7) **EFFECTIVITY** No electrical chip detector installed, pre SB BO105-10-126: Inspect magnetic plug of main transmission for deposits and clean magnetic plug	10 Fh	11-18	NA
A0351,52,53	(8) **EFFECTIVITY** Pre SB BO105-10-126: Inspect and cleaning of oil filter	100Fh	11-13	NA - But should do
A0640	(9) **EFFECTIVITY** Post SB BO105-10-126: Inspect and cleaning of oil filter	600Fh or 12 months, whichever occurs first	11-13	

Table 101-10.1 - Supplementary Inspection according to Operating Time in Fh and/or Calendar Time Basic Helicopter (1 of 7)

	Inspection or Maintenance Work	Interval	Reference	Initial
	13 - MAIN ROTOR SYSTEM			
(1)	**EFFECTIVITY** Quadruple nuts P/N 105-14101.54/.55: Remove quadruple nuts and inspect for cracks	1200Fh	REM106	NA
(2)	**EFFECTIVITY** Bolts P/N 105-14101.76/.77: Remove bolts and inspect for cracks	1200Fh	REM106	NA
(3)	**EFFECTIVITY** Quadruple nuts P/N 105-14101.19/.20: Remove upper and lower quadruple nuts and inspect for cracks **NOTE** Quadruple nuts with serial numbers listed below do not require periodic inspections during their service life. For these quadruple nuts it is also not necessary to install quadruple nuts with the same serial number (also refer to SB 10-18). Serial numbers: Quadruple nuts, upper 105-14101.19 S/N 63, 145 thru 151, 153 thru 172, 197, 198, 212 thru 221, 247, 249 thru 251, 269, 270, 272 thru 281, 283, 290 thru 293 Quadruple nuts, lower 105-14101.20 S/N 63, 145 thru 151, 153 thru 171, 197, 213 thru 221, 247, 249 thru 251, 269 thru 283, 290, 292	1200Fh TSN, then every 300Fh	REM 106	NA
(4)	**EFFECTIVITY** Bolts P/N 105-14101.22/.23: Remove bolts and inspect for cracks	1200Fh TSN, then every 300Fh	REM 106	NA
(5)	**EFFECTIVITY** Main rotor head P/N 105-14101: Remove main rotor head and inspect for condition per REM 106	1800Fh or 3 years, whichever occurs first	13-6, REM106	NA
(6)	**EFFECTIVITY** Main rotor head P/N 105-14104: Remove main rotor head and inspect for condition per REM 106	2400Fh or 4 years, whichever occurs first	13-6, REM106	~~Check~~ NA
(7)	**EFFECTIVITY** Quadruple nuts P/N 1121-14102.19/.20: Remove quadruple nuts and inspect for cracks	2400Fh	REM106	NA
(8)	**EFFECTIVITY** Bolts P/N 1121-14102.22/.23: Remove bolts and inspect for cracks	2400Fh	REM106	NA

Table 101-10.1 - Supplementary Inspection according to Operating Time in Fh and/or Calendar Time Basic Helicopter (2 of 7)

		Inspection or Maintenance Work	Interval	Reference	Initial
		13 - MAIN ROTOR SYSTEM			
A2448	(9)	Remove, clean and inspect primary and secondary bolts for cracks and condition	2400Fh	13-10, 13-11, 13-14 and 13-16 thru 13-18	
A3050	(10)	Remove, disassemble and inspect driving link assembly for condition	3000Fh	13-20 thru 13-24	
A4872	(11)	**EFFECTIVITY** Main rotor head : P/N 105-141081 (PRE ASB-BO 105-10-113); P/N 105-141091 (POST ASB-BO 105-10-113): Remove main rotor head and inspect for condition per REM 106	4800Fh or 8 years TSN, whichever occurs first, then every 4800Fh or 6 years, whichever occurs first	13-6, REM106	
		14 - MAIN ROTOR BLADE			
A1270	(1)	Remove main rotor blade and inspect for condition **NOTE** Note following when inspecting erosion protective shells for debonding: When first-time debonds are found, or existing debonds have increased in area, the inspection shall be repeated after 50Fh. Only when an inspection has revealed no further debonding do the periodic inspection intervals re-apply.	1200Fh	14-4, 14-5	
		21 - FUSELAGE			
A3050	(1)	Inspect bores in the engine mounting fittings for wear	3000Fh or when engine(s) is removed, whichever occurs first	21-3	
A2450	(2)	Inspect doors, windows, structure and tailboom connecting flange for condition	2400Fh	21-3, step 1, 2, 3 and 9	
A1836	(3)	Visually inspect frame 2L of tail boom (fuselage side) for cracks **NOTE** Depending on the operational spectrum of the helicopter and on the existing environmental conditions, different inspection intervals may be established upon consultation with ECD.	2400Fh or 6 years TSN, whichever occurs first, then every 1800Fh or 3 years, whichever occurs first	21-3	

Table 101-10.1 - Supplementary Inspection according to Operating Time in Fh and/or Calendar Time Basic Helicopter (3 of 7)

	Inspection or Maintenance Work	Interval	Reference	Initial
	21 - FUSELAGE			
A1836	(4) Visually inspect connecting flange of tail boom (fuselage side) and adjacent fuselage areas for condition and cracks, using a magnifying glass **NOTE** Depending on the operational spectrum of the helicopter and on the existing environmental conditions, different inspection intervals may be established upon consultation with ECD.	2400Fh or 6 years TSN, whichever occurs first, then every 1800Fh or 3 years, whichever occurs first	21-3	
	(5) Inspect spherical bearings and claw bushings in main transmission fittings for condition and play	3000Fh	21-3	
	22 - COWLINGS			
A2448	(1) Remove cowlings and inspect for condition	2400Fh	22-2 thru 22-5	
	31 - TAIL BOOM ASSEMBLY			
	(1) Remove tail boom and inspect interior and exterior for condition **NOTE** Depending on the operational spectrum of the helicopter and on the existing environmental conditions, different inspection intervals may be established upon consultation with ECD.	2400Fh or 6 years TSN, whichever occurs first, then every 1800Fh or 3 years, whichever occurs first	31-2, 31-5, 31-6	
	32 - TAIL ROTOR DRIVE			
A2448	(1) **EFFECTIVITY** Tail rotor drive with Bendix shafts and coupling: Remove shafts and coupling and inspect their exterior and interior surfaces for condition	2400Fh or 4 years, whichever occurs first	32-36, 32-46, 32-40, 32-50	
A3050	(2) **EFFECTIVITY** Tail rotor drive with laminated disk coupling: Remove, disassemble and inspect forward short driveshaft, couplings, long driveshaft and aft short driveshaft in vertical fin for condition	3600Fh or 6 years, whichever occurs first	32-11 thru 32-34	
A3048	(3) Remove intermediate gearbox and tail rotor gearbox and inspect for condition	3600Fh or 6 years, whichever occurs first	32-55 thru 32-57 and 32-59 thru 32-61	
	33 - TAIL ROTOR			
A1270	(1) Measure play between blade mounting fork and inner sleeve	1200Fh	33-16, step 1.	

Table 101-10.1 - Supplementary Inspection according to Operating Time in Fh and/or Calendar Time Basic Helicopter (4 of 7)

	Inspection or Maintenance Work	Interval	Reference	Initial
	33 - TAIL ROTOR			
A1270	(2) Remove bolts connecting laminated strap pack to blade mounting forks, and inspect for condition	1200Fh or 6 years, whichever occurs first	33-16, step 5.	
A2448	(3) Remove, disassemble and inspect tail rotor head for condition	2400Fh or 6 years, whichever occurs first	33-14 thru 33-17	
A2448	(4) Inspect tail rotor shaft for play	2400Fh	33-4, step 8	
	34 - TAIL ROTOR BLADE			
A0352	(1) Remove the tail rotorblades. Inspect erosion protection for debonds. Inspect attachment area for damages. Inspect tail rotor blades for cracks in surface protection. It is not necessary to remove the cover tape in the nose shell area.	300Fh	34-2, steps 2., 4. thru 9., 12.,13.	
A2448	(2) Remove tail rotor blade and inspect for condition	2400Fh	34-2, 34-4, 34-5	
	41 - MAIN ROTOR CONTROLS			
A0353	(1) Inspect bearing forks of swashplate control ring and swashplate bearing ring for cracks	300 Fh	41-3 step 4.d	
	(2) **EFFECTIVITY** Pitch shaft without bonded brake pads: Inspect pitch shaft for condition	1200Fh	41-55	NA
A3048	(3) Remove, disassemble control rods and inspect for condition. The following control rods are affected: - control rods between hydraulic unit and mixing lever assy (3 off) - rotating control rods (4 off)	3000Fh or 4 years, whichever occurs first	41-76 thru 41-83	
A3048	(4) Remove compression springs of longitudinal and lateral trimmers, clean and inspect for condition. Lubricate spring case	4 years	41-27 thru 41-34	

Table 101-10.1 - Supplementary Inspection according to Operating Time in Fh and/or Calendar Time Basic Helicopter (5 of 7)

	Inspection or Maintenance Work	Interval	Reference	Initial
	41 - MAIN ROTOR CONTROLS			
A3048	(5) Remove all bolts from the boosted section of the main rotor controls (i.e. above hydraulic unit) and inspect for condition and cracks **NOTE** Crack inspection per dye penetrant method ASTM-E-1417 or magnetic particle method ASTM-E-1444. The following bolts are affected: - lower and upper bolts of the 3 control rods between tandem hydraulic unit and mixing lever assy - lower and upper bolts of the 2 control rods between mixing lever assy and swash plate - lower and upper bolts of the 4 rotating control rods	3000Fh or 4 years, whichever occurs first		
	NOTE Perform inspections (5), (6) and (7) on the occasion of main transmission overhaul, if possible			
A3048	(6) Remove, disassemble mixing lever assembly and inspect for condition	3000Fh	41-65 thru 41-70	
A3048	(7) Inspect swash plate for condition	3000Fh	REM 403	
A3048	(8) Remove control rods between mixing lever assy and swash plate and inspect for condition	3000Fh	41-78, 41-80, 41-83	
	42 - TAIL ROTOR CONTROLS			
A1272	(1) Inspect tail rotor controls for condition	1200Fh	42-3	
	43 - HYDRAULIC SYSTEM			
A0353	(1) Inspect flat springs of hydraulic system II for correct functioning	1200Fh TSN, then every 300Fh	43-19	
A3048	(2) Remove, disassemble and inspect control rods for condition	3000Fh or 4 years, whichever occurs first	43-36, 43-37, 41-79, 41-80	
A0353	(3) Change filter elements **NOTE** If the hydraulic unit was not returned to service after filter replacement, the filter need not be replaced again until 2 years after return to service	2 years	43-31, 43-32	

Table 101-10.1 - Supplementary Inspection according to Operating Time in Fh and/or Calendar Time Basic Helicopter (6 of 7)

	Inspection or Maintenance Work	Interval	Reference	Initial
	43 - HYDRAULIC SYSTEM			
(4)	**EFFECTIVITY** Bushings P/N 105-45511: **Distinguishing feature:** These bushings can be rotated in installed position. Remove hydraulic unit and inspect guide bushings of couplings for play	2400Fh TSN, then every 600Fh	43-11, step 14.	NA
	51 - LANDING GEAR			
A0648 (1)	Inspect the internal cross tubes for corrosion	600Fh	51-2	
	61 - ENGINE			
(1)	Inspect exhaust clamps for corrosion and cracks	300Fh	61-34	
(2)	Remove engine mounts and inspect for condition A2448 **NOTE** If the associated engine is to be removed within 600Fh after the inspection is due, the inspection can be performed concurrently with engine removal.	2400Fh	61-8 thru 61-19	
A3048 (3)	Remove engine stub shaft and inspect for condition	3000Fh or 6 years, whichever occurs first	61-40	
	63 - LUBRICATION SYSTEM			
B SERIES (1)	**EFFECTIVITY** H/C with scavenge oil filters: Remove and replace filter elements of scavenge oil filters	with each engine oil change according to manufacturer's instructions	63-30	
	700 - STANDARD EQUIPMENT			
A1770 (1)	Inspect interior paneling and floor covering for condition	2 years	703-2	
	92 - ELECTRICAL SYSTEMS			
(1)	Remove battery and inspect for condition in accordance with manufacturer's instructions	Time and scope of inspection in accordance with manufacturer's instructions	92-27	
A2448 (2)	Inspect components of electrical system for condition	2400Fh	92-4	
(3)	Deleted			

Table 101-10.1 - Supplementary Inspection according to Operating Time in Fh and/or Calendar Time Basic Helicopter (7 of 7)

PLEASE REVIEW FOR EFFECTIVITY AND RETURN

101 - 8 PERIODICAL INSPECTION 600 hr / 48 Months A0648

101 - 8.1 Periodical Inspection Basic Helicopter

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

Inspection or Maintenance Work	Reference	Initial
GENERAL		
(1) Review aircraft log book and ensure all recorded discrepancies have been corrected		
(2) Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
(3) Ensure compliance with all supplementary inspections and special inspections		
(4) Ensure life–limited parts do not exceed service life		
(5) Ensure TBO–components do not exceed TBO		
(6) Ensure all required inspections of engines, equipment and components have been performed according to respective manufacturer's documentation		
(7) Record compliance with these inspections in Historical Record		
11 - MAIN TRANSMISSION		
(1) Inspect main transmission and attached parts for condition	11-3 step 1. thru 16.	
(2) Remove magnetic plug and inspect for deposits, clean and test for magnetic retaining force	11-17, 11-18, 11-19, 02-14	
(3) **EFFECTIVITY** H/C up to S/N 690 if not installed with washers P/N 105–13104.17: Inspect underside of rotor mast flange in the area of bores, including webs between the bores, for cracks, using a magnifying glass		
12 - ROTOR BRAKE SYSTEM		
(1) Inspect rotor brake system for condition	12-3	
13 - MAIN ROTOR SYSTEM		
(1) Inspect main rotor system for condition	13-3	
(2) Remove primary bolts and secondary bolts, clean and inspect for condition; crack inspection not necessary	13-10, -11, -14, -16, -17, -18	

Table 101-8.1 - Periodical Inspection Basic-Helicopter (1 of 6)

Inspection or Maintenance Work	Reference	Initial
14 – MAIN ROTOR BLADE		
(1) Inspect main rotor blade for condition **NOTE** Note following when inspecting erosion protective shells for debonding: When first-time debonds are found, or existing debonds have increased in area, the inspection shall be repeated after 50Fh. Only when an inspection has revealed no further debonding do the periodic inspection intervals re-apply	14-2 or 14-3	
(2) **EFFECTIVITY** Discharger Adapter P/N B621M1026 201 Visualy inspection of corrosion and cracks **NOTE** Inspect adapters from now on at the periodical inspection every 600fh or 4 years (600fh or 2 years at CBS-5 KLH), deppending on witch time limit is reached first.	14-5 step 6 Not installed	
21 – FUSELAGE		
(1) Inspect following frames for cracks: – upper corners of frames 7, 8, 9, forward and aft, and diagonal frame and frame 10 – lower frame segments 7 and 8 **NOTE** Stop-drill cracks. Repair any cracks in the upper area of frames 7 and 9 and diagonal frame within the next 50Fh. Repair any cracks in the upper area of frames 8 and 10 and in the lower area of frames 7 and 8 within the next 600Fh. Check for crack propagation every 200Fh. Repair cracks which show propagation within the next 50Fh.		
(2) Inspect landing gear mounting brackets and surrounding fuselage area for condition	21-3, step 10.	
(3) Inspect transmission strut attach fittings and engine mount attach fittings for condition and inspect fuselage area adjacent to attach fittings for loose rivets and cracks	21-3, step 5 and 7	
(4) Clean, grease and functionally check jettison device of cockpit doors. Renew lead wire seal	21-4	
(5) Ensure drain holes are not obstructed	21-3, step 4.	

Table 101-8.1 – Periodical Inspection Basic-Helicopter (2 of 6)

	Inspection or Maintenance Work	Reference	Initial
	31 – TAIL BOOM		
	(1) EFFECTIVITY Tail boom assemblies up to S/N 350 if AB 15 not accomplished: Remove tail rotor shaft fairing and visually inspect in the vicinity of the three bearing brackets P/N 105–30251.17/.18/.19 for cracks. Refer to AB 15 for further limitations	N/A	
	(2) Inspect tail boom assembly for condition	31-2	
	32 – TAIL ROTOR DRIVE		
	(1) Inspect tail rotor drive for condition	32-3	
	(2) Remove magnetic plugs of intermediate gearbox and tail rotor gearbox and test their magnetic retaining force	32-9, 02-14	
	(3) EFFECTIVITY “Single webbed” type of gearbox housing (see Fig. 32-23): Visually inspect flange to housing transition area for cracks and conditions indicating presence of cracks, such as oil leakage and accumulation of dirt	N/A	
	33 – TAIL ROTOR		
	(1) Inspect tail rotor for condition	33-4, step 1 – 7	
A0351, 52, 53	(2) Without disassembly, inspect spherical bearings in fork end of tail rotor shaft	33-21, step 1.c	Put on 100 hr insp
	(3) EFFECTIVITY Tail rotor blade mounting forks made from aluminum alloy P/N 105–31711, 105–31722: Remove and inspect blade mounting forks for condition	33-14 thru 33-18	
	(4) Remove bellcrank assy and inspect for condition	33-9 thru 33-12	
	(5) Check ball bearings of sliding sleeve for proper running and absence of play	33-27, step 14.	
A0351, 52, 53	(6) Remove bolt connecting tail rotor shaft to tail rotor head, and clean and inspect bolt for condition	33-21, step 1.e.	Put on 100 hour
	(7) Inspect balance weight and control lever for condition	33-12C AD	
	34 – TAIL ROTOR BLADE		
	(1) Inspect tail rotor blades for condition	34-2	
	41 – MAIN ROTOR CONTROLS		
	(1) Inspect flight control components (boosted section of flight controls) located above hydraulic system including swash plate for condition	41-3	
	(2) Check swash plate bearing for proper running	41-73	
	(3) Check rigging of collective control forces	102-16, step 9.	
	(4) Clean swash plate sliding surface on support tube. Move swash plate to uppermost position to expose sliding surface. Use cleaning solvent (CM 201, 202 or 217)		

Table 101-8.1 – Periodical Inspection Basic-Helicopter (3 of 6)

Inspection or Maintenance Work	Reference	Initial
41 – MAIN ROTOR CONTROLS		
(5) Visually inspect seals on upper rod ends of control rods for condition The following control rods are affected: – Vertical control rods below hydraulic unit (3 off) – control rods between hydraulic unit and mixing lever assy (3 off) – rotating control rods (4 off)	41-3	
(6) EFFECTIVITY Rotating control rods P/N 105–13121: Distinguishing feature of control rod: O.D. of tube is 20 mm Visually inspect reinforcement sleeves on control rod ends for cracks. Replace cracked control rods		
42 – TAIL ROTOR CONTROLS		
(1) EFFECTIVITY H/C up to S/N 310 if SB-BO105-30-17 not accomplished: Remove control rod in the tail boom and inspect chafe protection for condition and grease sliding areas	42-33, step 4. N/A	
(2) Visually inspect seals on rod end and clevis for damage Following rods are affected: – control rod in the tail boom – control rod in vertical fin (upper clevis)	42-3	
(3) Control rod in vertical fin: Visual inspect sealing of blind hole in fork end for damage		
43 – HYDRAULIC SYSTEM		
(1) Inspect switchover control linkage for play	43-17 or 43-17A	
(2) Inspect hydraulic system for condition	43-11	
(3) Spray-coat N2-lever (droop-compensation) with corrosion preventive compound (CM 508)		
(4) Check filter contamination indicator (lateral indicator pin configuration)	43-14	
(5) Functionally test hydraulic system	43-15	
(6) Perform ground run check of selector valve setting	43-16 or 43-16A	AD
(7) Inspect system 1 selector valve for corrosion	43-13	
51 – LANDING GEAR		
(1) Inspect landing gear for condition	51-2	
61 – ENGINE		
(1) Inspect exhaust clamps for corrosion and cracks	61-34	
(2) Inspect engine accessories and mounting struts for condition	61-3	

Table 101-8.1 – Periodical Inspection Basic-Helicopter (4 of 6)

Inspection or Maintenance Work	Reference	Initial
61 – ENGINE		
(3) Remove anti-icing valve actuators and inspect mounting brackets for condition	61-37 thru 61-39	
(4) Remove chip detectors and test their magnetic retaining force NOTE For removal and installation procedures, see Allison OMM 10W2 or 5W2 as applicable	02-14	
62 – FUEL SYSTEM		
(1) Inspect fuel lines in the engine compartment for condition	62-3	
(2) Check fuel differential pressure switch for function	62-39 Done with other check	
(3) Perform functional test and leakage test of fuel shutoff valves	92-82, 92-83	
63 – LUBRICATION SYSTEM		
(1) EFFECTIVITY Ram air ventilation not installed: Visually inspect baffle plate, located between oil cooler and fan, and attaching clamps for cracks	Must comply	
(2) Inspect lubrication system for condition	63-3	
(3) Remove oil drain plugs of oil tank and test the magnetic retaining force of their respective magnetic plugs	63-4, step 1.b, 02-14	
64 – FIREWALLS		
(1) Inspect fire walls for condition	64-2	
65 – ENGINE OPERATION AND CONTROL		
(1) Inspect engine operation and control linkages for condition	65-3	
700 – STANDARD EQUIPMENT		
(1) Inspect pilot and copilot seats for condition	701-2	
(2) Inspect cabin equipment for condition	702-2	
(3) Inspect cabin ventilation for condition, check for function	704-2	
(4) Inspect identification and other markings for legibility, and adhesive-backed decals for damage and proper adhesion		
(5) Inspect harnesses, buckles and inertia reels for condition	701-2 step 5., 6. and 7.	
91 – INSTRUMENT SYSTEM		
(1) Ventilate dual torque indication system	91-57	
(2) Inspect instruments for condition	91-4	
(3) Clean and drain pitot-static system, inspect for condition and check for function	91-9 thru 91-12	
(4) Inspect magnetic compass for condition and function and compensate magnetic compass Requires master compass	91-24 thru 91-26	

Table 101-8.1 – Periodical Inspection Basic-Helicopter (5 of 6)

Inspection or Maintenance Work	Reference	Initial
91 – INSTRUMENT SYSTEM		
(5) Calibrate TOT indication system Requires Barfield	91-45	
(6) Inspect instrument panel, center panel and overhead panel for presence, legibility amd security of labels and placards NOTE Replace missing placards and rebond separated placards		
92 – ELECTRICAL SYSTEMS		
(1) Inspect battery bonding jumper for tight installation and unimpaired surface protection		
(2) Check voltage regulator setting Required calibrated volt meter	92-17	
(3) Inspect socket of anti-collision light for condition	92-116	
(4) Remove starter-generator and inspect carbon brushes Might need run in	92-20, 92-20A	
(5) Inspect battery–temperature warning Done during deep cycle	92–34E	

Table 101-8.1 – Periodical Inspection Basic-Helicopter (6 of 6)

Technician	Date:	Inspector	Date:
Name	Signature	Stamp	Signature

101 – 8.2 Periodical Inspection Optional Equipment

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

Inspection or Maintenance Work	Reference	Initial
GENERAL		
(1) Review aircraft log book and ensure all recorded discrepancies have been corrected		
(2) Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
(3) Ensure compliance with all supplementary inspections and special inspections		
(4) Ensure life–limited parts do not exceed service life		
(5) Ensure TBO–components do not exceed TBO		
(6) Record compliance with these inspections in Historical Record		
831 – LONG RANGE FUEL TANK		
(1) Check long range fuel tank for condition (if tank remains installed)	831-4 Not Installed	
836 – RESCUE HOIST ASSEMBLY		
(1) Lubricate winch unit Not installed	836-22	
845 – CHIP WARNING INDICATION		
(1) Remove chip detector, check, clean, test for function and test magnetic retaining force Ball bearings required	845-4, 845-5, 845-6, 02-14	
854 – MAIN ROTOR BLADE FOLDING SYSTEM		
(1) Remove locking lever assembly, clean and inspect for condition (crack inspection not required)	854-3, step 1 Must comply	
(2) Remove locking lever assembly		
– Clean and inspect nickel–plated bolts for condition, and provide with corrosion protection (crack inspection not required)	854-3, step 1.a and 854-4, step 2.f	
– Clean and inspect solid film lubricant-coated bolts for condition (crack inspection not required). Coat bolt with lubricant (CM146)	854-3, step 1.b and 854-4, step 2.g	

Table 101-8.2 – Periodical Inspection Optional Equipment (1 of 2)

Inspection or Maintenance Work	Reference	Initial
857 – CONTINUOUS IGNITION SYSTEM		
(1) Check spark igniters for condition Installed	857-4	
(2) Visually inspect noise suppressor and accessible parts of wiring for condition Part of continuous ignition	857-4	

Table 101-8.2 – Periodical Inspection Optional Equipment (2 of 2)

Technician	Date:	Inspector	Date:
Name	Signature	Stamp	Signature

101 - 9 EXTENDED PERIODICAL INSPECTION 6000 hr / 96 Mon - A6090

101 - 9.1 Extended Periodical Inspection Basic Helicopter

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

Inspection or Maintenance Work	Reference	Initial
GENERAL		
(3) Review aircraft log book and ensure all recorded discrepancies have been corrected		
(4) Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
(5) Ensure compliance with all supplementary inspections and special inspections		
(6) Ensure life-limited parts do not exceed service life		
(7) Ensure TBO-components do not exceed TBO		
(8) Ensure all required inspections of engines, equipment and components have been performed according to respective manufacturer's documentation		
(9) Record compliance with these inspections in Historical Record		
11 - MAIN TRANSMISSION		
(1) Inspect main transmission and attached parts for condition	11-3, step 1 thru 16	
(2) Remove magnetic plug and inspect for deposits, clean and test for magnetic retaining force	11-17, 11-18, 11-19, 02-14	
(3) **EFFECTIVITY** H/C up to S/N 690 if not installed with washers P/N 105-13104.17: Inspect underside of rotor mast flange in the area of bores, including webs between the bores, for cracks, using a magnifying glass	AD 97-26-02	
12 - ROTOR BRAKE SYSTEM		
(1) Inspect rotor brake system for condition	12-3	
13 - MAIN ROTOR SYSTEM		
(1) Inspect main rotor system for condition	13-3	
(2) Remove primary bolts and secondary bolts, clean and inspect for condition; crack inspection not necessary	13-10, -11, -14, -16, -17, -18	

Table 101-9.1 - Extended Periodical Inspection Basic-Helicopter (1 of 5)

Inspection or Maintenance Work	Reference	Initial
14 – MAIN ROTOR BLADE		
(1) Inspect main rotor blade for condition **NOTE** Note following when inspecting erosion protective shells for debonding: When first-time debonds are found, or existing debonds have increased in area, the inspection shall be repeated after 50Fh. Only when an inspection has revealed no further debonding do the periodic inspection intervals re-apply	14-2 or 14-3	
(2) **EFFECTIVITY** Discharger Adapter P/N B621M1026 201 Visualy inspection of corrosion and cracks **NOTE** Inspect adapters from now on at the periodical inspection every 600fh or 4 years (600fh or 2 years at CBS–5 KLH), deppending on witch time limit is reached first.	14–5 step 6 Not Installed	
21 – FUSELAGE		
(1) Inspect fuselage for condition	21-3	
(2) Inspect following frames for cracks: – upper corners of frames 7, 8, 9, forward and aft, and diagonal frame and frame 10 – lower frame segments 7 and 8 **NOTE** Stop-drill cracks. Repair any cracks in the upper area of frames 7 and 9 and diagonal frame within the next 50Fh. Repair any cracks in the upper area of frames 8 and 10 and in the lower area of frames 7 and 8 within the next 600Fh. Check for crack propagation every 200Fh. Repair cracks which show propagation within the next 50Fh.		
(3) Clean, grease and functionally check jettison device of cockpit doors. Renew lead wire seal	21-4	
31 – TAIL BOOM		
A0351,52,53 (1) **EFFECTIVITY** Tail boom assemblies up to S/N 350 if AB 15 not accomplished: Remove tail rotor shaft fairing and visually inspect in the vicinity of the three bearing brackets P/N 105–30251.17/.18/.19 for cracks. Refer to AB 15 for further limitations		
A6090 (2) Inspect tail boom assembly for condition	31-2	
32 – TAIL ROTOR DRIVE		
A6090 (1) Inspect tail rotor drive for condition	32-3	

Table 101-9.1 – Extended Periodical Inspection Basic-Helicopter (2 of 5)

	Inspection or Maintenance Work	Reference	Initial
	32 – TAIL ROTOR DRIVE		
A0351,52,53	(2) **EFFECTIVITY** "Single webbed" type of gearbox housing (see Fig. 32-23): Visually inspect flange to housing transition area for cracks and conditions indicating presence of cracks, such as oil leakage and accumulation of dirt	Put on 100 hr	
	33 – TAIL ROTOR		
	(1) Inspect tail rotor for condition	33-4, step 1 – 7	
A0351,52,53	(2) Without disassembly, inspect spherical bearings in fork end of tail rotor shaft for play	33-21, step 1.c put on 100 hr	
A6090	(3) **EFFECTIVITY** Tail rotor blade mounting forks made from aluminum alloy P/N 105–31711, 105–31722: Remove and inspect blade mounting forks for condition	33-14 thru 33-18	
A6090	(4) Remove bellcrank assy and inspect for condition	33-9 thru 33-12	
A6090	(5) Check ball bearings of sliding sleeve for proper running and absence of play	33-27, step 14	
	(6) Remove bolt connecting tail rotor shaft to tail rotor head, and clean and inspect bolt for condition	33-21, step 1.e Put on 100 hr	
	34 – TAIL ROTOR BLADE		
A6090	(1) Inspect tail rotor blades for condition	34-2	
	41 – MAIN ROTOR CONTROLS		
A6090	(1) Inspect all flight control components for condition	41-3	
A6090	(2) Check swash plate bearing for proper running	41-73	
A6090	(3) Check rigging of collective control forces Needs hyd mule	102-16, step 9	
A6090	(4) Clean swash plate sliding surface on support tube. Move swash plate to uppermost position to expose sliding surface. Use cleaning solvent (CM 201, 202 or 217)		
	42 – TAIL ROTOR CONTROLS		
	(1) **EFFECTIVITY** H/C up to S/N 310 if SB-BO105-30-17 not accomplished: Remove control rod in the tail boom and inspect chafe protection for condition and grease sliding surface	42-33, step 4 N/A	
A6090	(2) Visually inspect seals on rod end and clevis for damage Following rods are affected: – control rod in the tail boom – control rod in vertical fin (upper clevis)	42-3	
A6090	(3) Control rod in vertical fin: Visually inspect sealing of blind hole in fork end for damage		

Table 101-9.1 – Extended Periodical Inspection Basic-Helicopter (3 of 5)

	Inspection or Maintenance Work	Reference	Initial
	43 – HYDRAULIC SYSTEM		
A6090	(1) Inspect switchover control linkage for play	43-17 or 43-17A	
A6090	(2) Inspect hydraulic system for condition	43-11	
A6090	(3) Spray-coat N2-lever (droop-compensation) with corrosion preventive compound (CM 508)		
A6090	(4) Check filter contamination indicator (lateral indicator pin configuration)	43-14	
A6090	(5) Functionally test hydraulic system	43-15	
A6090	(6) Perform ground run check of selector valve setting AD 98 08 04	43-16 or 43-16A	
A6090	(7) Inspect system 1 selector valve for corrosion	43-13	
	51 – LANDING GEAR		
A6090	(1) Inspect landing gear for condition	51-2	
	61 – ENGINE		
B0354	(1) Inspect exhaust clamps for corrosion and cracks	61-34 ASB	
	(2) Inspect engine accessories and mounting struts for condition	61-3	
A6090	(3) Remove anti-icing valve actuators and inspect mounting brackets for condition	61-37, 61-38, 61-39	
B0354	(4) Remove chip detectors and test their magnetic retaining force **NOTE** For removal and installation procedures, see Allison OMM 10W2 or 5W2 as applicable	02-14 weighted ball bearings	
A6090	**62 – FUEL SYSTEM**		
	(1) Inspect fuel lines in the engine compartment for condition	62-3	
	(2) Check fuel differential pressure switch for function plugger filter required	62-39	
	(3) Perform functional test and leakage test of fuel shutoff valves	92-82, 92-83	
A6090	**63 – LUBRICATION SYSTEM**		
	(1) **EFFECTIVITY** Ram air ventilation not installed: Visually inspect baffle plate, located between oil cooler and fan, and attaching clamps for cracks		
	(2) Inspect lubrication system for condition	63-3	
	(3) Remove oil drain plugs of oil tank and test the magnetic retaining force of their respective magnetic plugs	63-4, step 1.b, 02-14	
A6090	**64 – FIREWALLS**		
	(1) Inspect fire walls for condition	64-2	
A6090	**65 – ENGINE OPERATION AND CONTROL**		
	(1) Inspect engine operation and control linkages for condition	65-3	

Table 101-9.1 – Extended Periodical Inspection Basic-Helicopter (4 of 5)

Inspection or Maintenance Work	Reference	Initial
A6090 **700 – STANDARD EQUIPMENT**		
(1) Inspect pilot and copilot seats for condition	701-2	
(2) Inspect cabin equipment for condition	702-2	
(3) Inspect cabin ventilation for condition, check for function	704-2	
(4) Inspect identification and other markings for legibility, and adhesive-backed decals for damage and proper adhesion		
A6090 **91 – INSTRUMENT SYSTEM**		
(1) Ventilate dual torque indication system	91-57	
(2) Inspect instruments for condition	91-4	
(3) Clean and drain pitot-static system, inspect for condition and check for function	91-9 thru 91-12	
(4) Inspect magnetic compass for condition and function and compensate magnetic compass Requires master compass	91-24 thru 91-26	
(5) Calibrate TOT indication system - Barfield	91-45	
(6) Inspect instrument panel, center panel and overhead panel for presence, legibility amd security of labels and placards **NOTE** Replace missing placards and rebond separated placards		
A6090 **92 – ELECTRICAL SYSTEMS**		
(1) Inspect battery bonding jumper for tight installation and unimpaired surface protection		
(2) Check voltage regulator setting - calibrated Volt Meter	92-17	
(3) Inspect socket of anti-collision light for condition	92-116	
(4) Remove starter-generator and inspect carbon brushes run in required	92-20, 92-20A	
(5) Inspect battery–temperature warning	92–34E	

Table 101-9.1 – Extended Periodical Inspection Basic-Helicopter (5 of 5)

Technician	Date:	**Inspector**	Date:
Name	Signature	Stamp	Signature

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101 – 9.2 Extended Periodical Inspection Optional Equipment

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

	Inspection or Maintenance Work	Reference	Initial
	GENERAL		
	(1) Review aircraft log book and ensure all recorded discrepancies have been corrected		
	(2) Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
	(3) Ensure compliance with all supplementary inspections and special inspections		
	(4) Ensure life–limited parts do not exceed service life		
	(5) Ensure TBO–components do not exceed TBO		
	(6) Record compliance with these inspections in Historical Record		
	831 – LONG RANGE FUEL TANK		
	(1) Check long range fuel tank for condition (if tank remains installed)	831-4 not installed	
	836 – RESCUE HOIST ASSEMBLY		
	(1) Lubricate winch unit not installed	836-22	
	845 – CHIP WARNING INDICATION		
A6090	(1) Remove chip detector, check, clean, test for function and test magnetic retaining force weighted ball bearings required	845-4, 845-5, 845-6, 02-14	
	854 – MAIN ROTOR BLADE FOLDING SYSTEM		
A6090	(1) Remove locking lever assembly, clean and inspect for condition (crack inspection not required)	854-3, step 1.	
A6090	(2) Remove locking lever assembly		
	– Clean and inspect nickel–plated bolts for condition, and provide with corrosion protection (crack inspection not required)	854-3, step 1.a and 854-4, step 2.f	
	– Clean and inspect solid film lubricant-coated bolts for condition (crack inspection not required). Coat bolt with lubricant (CM146)	854-3, step 1.b and 854-4, step 2.g	

Table 101-9.2 – Extended Periodical Inspection Optional Equipment (1 of 2)

Inspection or Maintenance Work	Reference	Initial
857 – CONTINUOUS IGNITION SYSTEM		
A6090 (1) Check spark igniters for condition - covered by AD	857-4	
A6090 (2) Visually inspect noise suppressor and accessible parts of wiring for condition	857-4	

Table 101-9.2 – Extended Periodical Inspection Optional Equipment (2 of 2)

Technician	Date:	Inspector	Date:
Name	Signature	Stamp	Signature

101 - 7 12-MONTH INSPECTION A1700

101 - 7.1 12-Month Inspection Basic-Helicopter

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

	Inspection or Maintenance Work	Reference	Initial
	GENERAL		
(1)	Review aircraft log book and ensure all recorded discrepancies have been corrected		
(2)	Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
(3)	Ensure compliance with all supplementary inspections and special inspections		
(4)	Ensure life-limited parts do not exceed service life		
(5)	Ensure TBO-components do not exceed TBO		
(6)	Ensure all required inspections of engines, equipment and components have been performed according to respective manufacturer's documentation		
(7)	Record compliance with these inspections in Historical Record		
	11 - MAIN TRANSMISSION		
(1)	Remove magnetic plug and test magnetic retaining force	11-17, 11-19, 11-18, 02-14	
(2)	**EFFECTIVITY** Transmission mounting struts P/N 105-10161 and 105-10162: Inspect transmission mounting struts for condition	11-3, step 10.	
(3)	Visually inspect area of support tube flange for cracks	11-3, step 12.	
	21 - FUSELAGE		
(1)	Inspect landing gear mounting brackets and surrounding fuselage area for condition	21-3, step 10.	
(2)	Clean, grease and functionally check jettison device of cockpit doors. Renew lead wire seal	21-4	
	32 - TAIL ROTOR DRIVE		
(1)	Remove magnetic plugs of intermediate gearbox and tail rotor gearbox and test their magnetic retaining force	32-9, 02-14	
	41 - MAIN ROTOR CONTROLS		
(1)	Visually inspect seals on upper rod ends of control rods for damage The following control rods are affected: - Vertical control rods below hydraulic unit (3 off) - control rods between hydraulic unit and mixing lever assy (3 off) - rotating control rods (4 off)	41-3	

Table 101-7.1 - 12-Month Inspection Basic-Helicopter (1 of 3)

	Inspection or Maintenance Work	Reference	Initial
	41 – MAIN ROTOR CONTROLS		
(2)	Check rigging of collective control forces - Mule	102-16, step 9.	
(3)	**EFFECTIVITY** Rotating control rods P/N 105–13121: **Distinguishing feature** of control rod: O.D. of tube is 20 mm Visually inspect reinforcement sleeves on control rod ends for cracks. Replace cracked control rods		
(4)	Clean swash plate sliding surface on support tube. Move swash plate to uppermost position to expose sliding surface. Use cleaning solvent (CM 201, 202 or 217)		
	42 – TAIL ROTOR CONTROLS		
(1)	Visually inspect seals on rod end and clevis for damage Following rods are affected: – control rod in the tail boom – control rod in vertical fin (upper clevis)	42-3	
(2)	Control rod in vertical fin: Visual inspect sealing of blind hole in fork end for damage		
	43 – HYDRAULIC SYSTEM		
(1)	Inspect hydraulic system for condition	43-11	
(2)	Spray-coat N2-lever (droop-compensation) with corrosion preventive compound (CM 508)		
(3)	Check filter contamination indicator (lateral indicator pin configuration)	43-14	
(4)	Functionally test hydraulic system	43-15	
(5)	Perform ground run check of selector valve setting AD 98 08 04	43-16 or 43-16A	
(6)	Inspect system 1 selector valve for corrosion	43-13	
	61 – ENGINE		
(1)	Remove chip detectors and test their magnetic retaining force **NOTE** For removal and installation procedures, see Allison OMM 10W2 or 5W2 as applicable	02-14	
	62 – FUEL SYSTEM		
(1)	Check fuel differential pressure switch for function	62-39	
(2)	Perform functional test and leakage test of fuel shutoff valves	92-82, 92-83	
	63 – LUBRICATION SYSTEM		
(1)	Remove oil drain plugs of oil tank and test magnetic retaining force of each plug	63-4, step 1.b., 02-14	

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Table 101-7.1 – 12–Month Inspection Basic-Helicopter (2 of 3)

	Inspection or Maintenance Work	Reference	Initial
	700 – STANDARD EQUIPMENT		
(1)	Inspect cabin equipment for condition	702-2	
(2)	Inspect cabin ventilation for condition, check for function	704-2	
(3)	Inspect identification and other markings for legibility, and adhesive-backed decals for damage and proper adhesion		
(4)	Inspect harnesses, buckles and inertia reels for condition	701-2 step 5, 6 and 7	
	91 – INSTRUMENT SYSTEM		
(1)	Ventilate dual torque indication system	91-57	
(2)	Inspect instruments for condition	91-4	
(3)	Clean and drain pitot-static system, inspect for condition and check for function	91-9 thru 91-12	
(4)	Inspect magnetic compass for condition and function and compensate magnetic compass	91-24 thru 91-26	
(5)	Calibrate TOT indication system	91-45	
(6)	Inspect instrument panel, center panel and overhead panel for presence, legibility and security of labels and placards **NOTE** Replace missing placards and rebond separated placards		
	92 – ELECTRICAL SYSTEMS		
(1)	Inspect socket of anti-collision light for condition	92-116	
(2)	Inspect battery–temparature warning	92–34E	
(3)	Inspect battery connector and cable	92–28 step 1	

Table 101-7.1 – 12–Month Inspection Basic-Helicopter (3 of 3)

Technician	Date:	**Inspector**	Date:
Name	Signature	Stamp	Signature

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101 – 7.2 12–Month Inspection Optional Equipment

Registration No.: _____ H/C Serial No.: _____ Total Hours: _____ Fh

	Inspection or Maintenance Work	Reference	Initial
	GENERAL		
(1)	Review aircraft log book and ensure all recorded discrepancies have been corrected		
(2)	Ensure compliance with all applicable airworthiness directives and manufacturer's (ECD) directives		
(3)	Ensure compliance with all supplementary inspections and special inspections		
(4)	Ensure life–limited parts do not exceed service life		
(5)	Ensure TBO–components do not exceed TBO		
(6)	Record compliance with these inspections in Historical Record		
	836 – RESCUE HOIST ASSEMBLY		
(1)	Lubricate winch unit Not installed	836-22	
(2)	Inspect relay box for condition	836–3B	
	845 – CHIP WARNING INDICATION		
(1)	Remove chip detector and test magnetic retaining force	845-4, 845-6, 02-14	

Table 101-7.2 – 12–Month Inspection Optional Equipment

Technician	Date:	**Inspector**	Date:
Name	Signature	Stamp	Signature