

PLEASE REVIEW FOR EFFECTIVITY AND RETURN



MAINTENANCE MANUAL BO 105

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			
Section B	(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			
Section B	(1) Remove oil drain plugs of oil tank and test magnetic retaining force of each plug	63-4, step 1.b., 02-14	

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-temperature 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		Inspector	
Date:		Date:	
Name	Signature	Stamp	Signature

BLANK PAGE

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