

PLEASE REVIEW FOR EFFECTIVITY AND RETURN



MAINTENANCE MANUAL BO 105

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		
(1) Inspect magnetic plug of main transmission for deposits and clean magnetic plug	11-18	
(2) Deleted		
(3) Inspect filter element for deposits	11-13	
14 - MAIN ROTOR BLADE		
(1) EFFECTIVITY Main rotor blade type 2 <i>First time at 1000 Fh TSN of main rotor blade:</i> 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 Visually inspection of corrosion and cracks	14-5, step . N/A	
31 - TAIL BOOM ASSEMBLY		
(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	
(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			
(1)	Inspect magnetic plugs of tail rotor gearbox and intermediate gearbox for deposits and clean magnetic plugs	32-56	
(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			
(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: Inspect blade mounting forks for cracks NOTE Remove tail rotor blade prior to inspection	33-16, step 2. N/A 34-4, 34-5	
(3)	Inspect flapping hinge function	33-4, step 3	
34 - TAIL ROTOR BLADE			
(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 Inspect tail rotor blade for impact damage and cracks in surface protection. The cover tape in the nose area does not have to be removed.	34-2, steps 2., 4., 6. thru 9., 12., 13. ok	
41 - MAIN ROTOR CONTROLS			
(1)	EFFECTIVITY Lock washer not installed: Inspect bolts connecting rotating control rods to control levers of main rotor head for tightness	41-3, step 4.c. N/A	
61 - ENGINE			
(1)	Visually inspect exhaust clamps for cracks, particularly near latches	61-3 ASB 105 60 107	

ENGINE

B0051-56

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

Inspection or Maintenance Work		Reference	Initial
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		ok	

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

Technician		Inspector	
Date:		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		
(1) Inspect electrical chip detector on main transmission for deposits, then clean and functionally check chip detector	845-5	
857 – CONTINUOUS IGNITION SYSTEM Engine -		
(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