

**TIC-A109E-23-0034**

1.

1538D000-002

Cooling blower

5000 See Note 3

1538D000-002 TURBINE BLOWER E.C.S. [Limitation Type: Overhaul]	NSN	Airframe Hours	5000	50.0 Hours	00.00	00.00	5000.00	3875.30 Hours	* 1124.30 Hours
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Digital clock AT42510H battery or  
digital clock 109-0740L42-101 battery or  
digital clock 109-0749-77-101 battery

“AAA” or 2/3 "AA" size Alkaline  
Battery, commercial available

2 years

AT42510H DIGITAL CLOCK BATTERY [Limitation Type: Limited Life]	03030	Date (Years)	2	3.0 Months	11/01/2022	0.00	30/01/2024	717.00 Days	* RT + 33 Days
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**200 FH INSPECTION – EXTENDED PROGRAM**

**9. TAIL ROTOR**

a. Tail rotor blades for voids. Ref. to Para 64-11-9 or 64A-11-8.

**WORKSHEET**



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CLIENT/OWNER:		SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	
AIRCRAFT TYPE:	A109E	AIRCRAFT	REFER WORKPACK		WORK/INSP/DESC: **AF 200 FH INSPECTION	
REGISTRATION:		#1 ENGINE:	REFER WORKPACK		WORKPACK REF:	
BASE/FACILITY:		#2 ENGINE:	REFER WORKPACK		AJL REF NO.:	
DATE IN: REFER WORKPACK	OUT: REFER WORKPACK		NG / N1	NF / N2	SHEET: 9 OF	
Reason for raising:			Raised by and date:		Other requirements/information:	
200 FH INSPECTION TO BE CARRIED OUT IN ACCORDANCE WITH AIRCRAFT MAINTENANCE PROGRAM REF. JBPM/CAMO/AMPI/A109E ISSUE 2 REV 0 DATE 06 MAY 2021						
Item	Description			Technician	* Eng. CRS	Date
28	TAIL ROTOR  TAIL ROTOR BLADES FOR VOIDS.  REF: PARA 64-11-9 OR 64A-11-8.  REMARKS:					

400 FH INSPECTION – EXTENDED PROGRAM

**2. TRANSMISSION OIL COOLERS AND FANS**

- a. (not applicable to U.K. registered helicopters).  
(Only for Oil Cooler Fans P/N 109-0455-01-101)  
Coolers fan drive belts for damage, crazing and wear. Ref. to Para 63-23-16. Perform tension check of toothed belts. Ref. to Para 63-00-14.
- b. (applicable to U. K. registered helicopters only)  
(Only for Oil Cooler Fans P/N 109-0455-01-101)  
Cooler fan drive belts for damage, crazing and wear. Ref. to Para 63-23-16. Perform tension check of toothed belts. Ref. to Para 63-00-14. See Section 05-12.
- c. Without disassembly, inspect attachment flanges of transmission and engines oil coolers fans for condition.
- d. (Only for driven pulley assy P/N 109G6320A26-101).  
Cooler fan drive belts for damage, crazing and wear. Driving and driven pulleys for condition, damage and wear. Ref. to Para 63-23-16A. Examine the driven pulleys for roughness of rotation.  
Perform tension check of toothed belts. Ref. to Para 63-00-14.

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**WORKSHEET**

CLIENT/OWNER:		SERIAL NO.:	HOURS	LDG/CYCLE	WORKSHEET NO:
AIRCRAFT TYPE:	A109E	AIRCRAFT	REFER WORKPACK		WORK/INSP/DESC: **AF 400 FH INSPECTION
REGISTRATION:		#1 ENGINE:	REFER WORKPACK		WORKPACK REF:
BASE/FACILITY:		#2 ENGINE:	REFER WORKPACK		AJL REF NO.:
DATE IN: REFER WORKPACK	OUT: REFER WORKPACK		NG / N1	NF / N2	SHEET: 1 OF
Reason for raising:			Raised by and date:		Other requirements/information:

2	<p>TRANSMISSION OIL COOLERS AND FANS</p> <p>(NOT APPLICABLE TO U.K. REGISTERED HELICOPTERS). (ONLY FOR OIL COOLER FANS P/N 109-0455-01-101)</p> <p>COOLERS FAN DRIVE BELTS FOR DAMAGE, CRAZING AND WEAR.</p> <p>PERFORM TENSION CHECK OF TOOTHED BELTS.</p> <p>REF: PARA 63-23-16, PARA 63-00-14.</p> <p>REMARKS: N/A TO 9M-BOB, NOT APPLICABLE TO P/N</p>			
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Item	Description	Technician	* Eng. CRS	Date
4	<p>TRANSMISSION OIL COOLERS AND FANS</p> <p>WITHOUT DISASSEMBLY, INSPECT ATTACHMENT FLANGES OF TRANSMISSION AND ENGINES OIL COOLERS FANS FOR CONDITION.</p> <p>REF: 63-23-10</p> <p>REMARKS:</p>			
5	<p>TRANSMISSION OIL COOLERS AND FANS</p> <p>COOLER FAN DRIVE BELTS FOR DAMAGE, CRAZING AND WEAR. DRIVING AND DRIVEN PULLEYS FOR CONDITION, DAMAGE AND WEAR. EXAMINE THE DRIVEN PULLEYS FOR ROUGHNESS OF ROTATION. PERFORM TENSION CHECK OF TOOTHED BELTS (ONLY FOR DRIVEN PULLEY ASSY P/N 109G6320A26-101).</p> <p>REF: 63-23-16A, 63-00-14.</p> <p>REMARKS:</p>			

### 3200 FH INSPECTION – EXTENDED PROGRAM

#### 1. MAIN TRANSMISSION

- a. APPLICABLE ONLY TO MAIN GEARBOX P/N 109-0400-03-109, inspect main transmission. Ref. to Para 63-21-17.

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### WORKSHEET

CLIENT/OWNER:		SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	
AIRCRAFT TYPE:	A109E	AIRCRAFT	REFER WORKPACK		WORK/INSP/DESC: **AF 3200 FH INSPECTION	
REGISTRATION:		#1 ENGINE:	REFER WORKPACK		WORKPACK REF:	
BASE/FACILITY:		#2 ENGINE:	REFER WORKPACK		AJL REF NO.:	
DATE IN: REFER WORKPACK	OUT: REFER WORKPACK			NG / N1	NF / N2	
Reason for raising:				Raised by and date:	Other requirements/information:	
Item	Description			Technician	* Eng. CRS	Date
1	MAIN TRANSMISSION  APPLICABLE ONLY TO MAIN GEARBOX P/N 109-0400-03-109, INSPECT MAIN TRANSMISSION.  REF: PARA 63-21-17.  REMARKS:					

### 12 M INSPECTION – EXTENDED PROGRAM

#### EXTENDED INSPECTION PROGRAM (12 MONTHS INSPECTION)

INITIAL EACH ITEM AFTER ACCOMPLISHMENT	INITIAL
<b>8. CABIN INTERIOR AND EXTERIOR</b>  a. Remove pilot doors and inspect jettison mechanism for correct operation: Ref. to Para 52-11-10 and 52-11-14.  b. Portable fire extinguisher (P/N A072A01, A072A02, AW003ZE02 and AW003ZE03).  1) Weigh fire extinguisher. Ref. to Para 26-22-6.  2) Visually inspect fire extinguisher for general condition. Ref. to Para 26-22-6.	.....  .....  .....



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### WORKSHEET

CLIENT/OWNER:		SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	
AIRCRAFT TYPE:	A109E	AIRCRAFT	REFER WORKPACK		WORK/INSP/DESC: **AF 12 MONTHS	
REGISTRATION:		#1 ENGINE:	REFER WORKPACK		WORKPACK REF:	
BASE/FACILITY:		#2 ENGINE:	REFER WORKPACK		AJL REF NO.:	
DATE IN: REFER WORKPACK	OUT: REFER WORKPACK			NG / N1	NF / N2	
Reason for raising:				Raised by and date:	Other requirements/information:	
AF 12 MONTHS INSPECTION TO BE CARRIED OUT I.A.W JBPM.CAMO.AMP.A109E ISSUE 1 REV 0 DATE 21 JAN 2020 IETP 109E, 30TH ISSUE: 15/11/2019 UPDATED: 13/12/2019 DW20201111 REV 38 2						
21	CABIN INTERIOR AND EXTERIOR  PORTABLE FIRE EXTINGUISHER (P/N A072A01, A072A02, AW003ZE02 AND AW003ZE03).  1) WEIGH FIRE EXTINGUISHER. WEIGHT: _____ REF: PARA 26-22-6.  2) VISUALLY INSPECT FIRE EXTINGUISHER FOR GENERAL CONDITION. REF: PARA 26-22-6.  REMARKS:					

EACH 50 HOURS

<b>9. EACH 50 HOURS</b>		
a. MAIN ROTOR		
1) Inspect tip cap of main rotor blades for presence of cracks. Ref. to para 62-11-28A.	.....	
<b>NOTE:</b> The above prescribed inspection is applicable to main rotor blades tip cap P/N 709-0103-29-109, that have accumulated 600 (six hundred) flight hours.		



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CLIENT/OWNER:		SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:		
AIRCRAFT TYPE:	A109E	AIRCRAFT	REFER WORKPACK		WORK/INSP/DESC: AF 50 FH INSPECTION		
REGISTRATION:		#1 ENGINE:	REFER WORKPACK		WORKPACK REF:		
BASE/FACILITY:		#2 ENGINE:	REFER WORKPACK		AJL REF NO.:		
DATE IN: REFER WORKPACK	OUT: REFER WORKPACK			NG / N1	NF / N2		
Reason for raising: AF 50 FH INSPECTION TO BE CARRIED OUT I.A.W JBPM.CAMO.AMP.A109E ISSUE 1 REV 0 DATE 21 JAN 2020				Raised by and date:			
				Other requirements/information:			
Item	Description				Technician	* Eng. CRS	Date
1	05-50 MAIN ROTOR SPECIAL INSPECTION  INSPECT TIP CAP OF MAIN ROTOR BLADES FOR PRESENCE OF CRACKS.  NOTE: THE ABOVE PRESCRIBED INSPECTION IS APPLICABLE TO MAIN ROTOR BLADES TIP CAP P/N 709-0103-29-109, THAT HAVE ACCUMULATED 600 (SIX HUNDRED) FLIGHT HOURS  REF: 62-11-28A.  REMARK:						

EACH 200 H // 12 M

UNSCHEDULED MAINTENANCE CHECKS (SPECIAL INSPECTIONS)

INITIAL EACH ITEM AFTER ACCOMPLISHMENT	INITIAL
<b>18. EACH 200 HOURS OR 12 MONTHS</b>  a. MAIN TRANSMISSION  1) Perform operational test of chip detectors circuits on coupling case and upper case. Ref. to Para 63-41-17.  2) Inspect main transmission structural fwd and aft lower fittings for corrosion, cracks and proper condition of joints. Ref. to Para 63-31-8.	.....  .....



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AIRCRAFT TYPE:	A109E	AIRCRAFT	REFER WORKPACK		WORK/INSP/DESC: AF 200 FH // 12 MONTHS		
REGISTRATION:		#1 ENGINE:	REFER WORKPACK		WORKPACK REF:		
BASE/FACILITY:		#2 ENGINE:	REFER WORKPACK		AJL REF NO.:		
DATE IN: REFER WORKPACK	OUT: REFER WORKPACK			NG / N1	NF / N2		
Reason for raising:				Raised by and date:			
				Other requirements/information:			
9	MAIN TRANSMISSION  INSPECT MAIN TRANSMISSION STRUCTURAL FWD AND AFT LOWER FITTINGS FOR CORROSION, CRACKS AND PROPER CONDITION OF JOINTS.  REF: 63-31-8.  REMARKS:						
10	TAIL ROTOR (90°) GFARBOX						

50 H // 3M

M/R swashplate Refer to Para 12-20-5			L						
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2	M/R SWASHPLATE  LUBRICATE  REF: PARA 12-20-5  REMARKS:			
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200 FH // 12 M



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AIRCRAFT TYPE:	A109E	AIRCRAFT	REFER WORKPACK			WORK/INSP/DESC: AF 200 FH // 12 MONTHS
REGISTRATION:		#1 ENGINE:	REFER WORKPACK			WORKPACK REF:
BASE/FACILITY:		#2 ENGINE:	REFER WORKPACK			AJL REF NO.:
DATE IN: REFER WORKPACK	OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET: 1 OF
Reason for raising:				Raised by and date:		Other requirements/information:

Item	Description	Technician	* Eng. CRS	Date
6	M/R SERVO ACTUATORS  LUBRICATE  REF: PARA 12-20-6  REMARKS:			

7 ELEVATOR HALE FITTING BOLTS