

ERA23FA352

AIRWORTHINESS

Group Chair's Factual Report - Attachment 3

Airframe logbook entry and checklist for the last 100-hr inspection for N109BC
accomplished on May 23, 2023

05/23/23

N109BC

AFTT: 5557.1 Landings: 13,207

#1 Eng. TT: 5327.2 N1cy.: 5460.9 N2cy.: 8739.3

#2 Eng. TT: 5327.2 N1cy.: 4862.1 N2cy.: 8222.0

Complied with 100 hour Inspection Items Ref: MSM 05-25-00. Oil samples taken and routed to the lab for analysis. C/W AD 2014-16-24 Per Global AMOC (EASB EC135-62A-029 para. 3.B ref: Compliance Schedule in para. 1.E.2 , part 2). C/W ASB EC135-67A-042. Performed 6 mo. / 12 mo. ELT checks Ref: MSM 05-25-00 (Ref: Artex Manual (Document Number 570-5060 Rev. D) and Ref: FAR 91.207 (d). Replaced Rotor Brake Pads at this time due to wear beyond limits. Performed 100 hour Inspections according to I.C.A.'s for: Rebtech NVG Filter System, Meeker Step Utility Mount, Wheelen Supplemental Strobe Lights, Belly and Vertical Fin Anti-Collision Lights, Controllable Search Light, and FLIR Isolation Collar. Additional work and discrepancies noted under work order 9BC-5557.1.

I certify that this aircraft has been inspected in accordance with Airbus Helicopter's MSM per CFR 91.409(f)(3), and has been determined to be in airworthy condition at this time.

AP

Flight Log

Cycles			Engine Data Power Check	
P	No. 2 GP	No. 2 NP	#1	#2
			O.A.T.°C.	
			Press. Alt.	
			NG/N1	
			Rotor RPM	
			Torque	
			T4/T.O.T.	
			Chart Value	

Cycles			#1 Engine	#2 Engine
IP	No. 2 GP	No. 2 NP		

Mechanic/Pilot

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date



Broward Sheriff Fire Rescue

Air Rescue 85

Inspection Checklist

Maintenance Technician Signoff

Aircraft N109BC EC135T1 S/N: 0139

Airframe Total Time: 5557.1 Landings: 13,027

#1 Engine Total Time: 5327.2 NG (N1) Cycles: 5460.9 NP (N2) Cycles: 8739.3

#2 Engine Total Time: 5327.2 NG (N1) Cycles: 4862.1 NP (N2) Cycles: 8222.0

Inspection Type: Airframe 100 hr. Items Ref: MSM 05-25-00 / Eng. 100 hr. / 100 hr. I.C.A.'s

Start Date: 05/22/23 Finish Date: 05/23/23

All technicians that initial any items on the inspection are required to legibly enter their Name, Signature, Certificate / License Number

Printed Name	Signature	Initials	Certificate / License Number
Carl J. Carner			AP

Supplementary Inspections

MSM 05-25-00

 Modified content

REFERENCE

Documentary Unit	MSM 05-25-00
References/Effectivity	Supplementary Inspections
Language	EN(en)
Issue Date	2023.03.03

EFFECTIVITY

Model	EC135
Version	P1, P2, P3, T1, T2, T3
Serial Number	

STATUS

Type of modification	R
Description	
Reason for update	
Maintenance work affected	

ATA 05 - TIME LIMITS / INSPECTIONS

05 - 60 GROUND CHECK RUN AND FUNCTIONAL CHECK FLIGHT

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
05/60/00/000/000/018 Check - N2 and Pitch Stop	AMM 05-60-00,6-7	1000 FH 36 M	150 FH 4 M	N/A
Maintenance Task Effectivity: T2 Unchanged				

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

05/60/00/000/000/019

Check - N2 and Pitch Stop

AMM 05-60-00.6-7

1000 FH

150 FH

//

36 M

4 M

N/A

Maintenance Task
Effectivity : P2
Unchanged

ATA 21 - VENTILATION / HEATING

21 - 22 COCKPIT VENTILATION SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
21/22/00/000/000/002 Do the inspection of the blower brush				N/A
	AMM <u>21-50-00.6-3</u>	1000 FH	30 FH	
ES73150-x	(-)			
ES73175-x	(-)			
EFFECTIVITY: Blower assy JBS 13016-xx TSN / TSO DI Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 New				

21 - 50 AIR CONDITIONING SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
21/50/00/000/000/006 Do the inspection of the air conditioning compressor bracket 135-1550-33 (-) EFFECTIVITY: Helicopters with electrical air conditioning (AIR COMM CORPORATION) Only applicable for compressor bracket P/N 135-1550-33 VC Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Changed <td><u>AMM 21-50-00.6-7</u></td> <td>100 FH</td> <td>10 FH</td> <td> </td>	<u>AMM 21-50-00.6-7</u>	100 FH	10 FH	

21 - 51 COOLING EQUIPMENT

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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21/51/00/000/000/004

Do the inspection of the compressor drive motor brushes and bearings

AMM 21-50-00-6-4

400 FH

12 FH

135-05/0-1

(-)

N/A

EFFECTIVITY: Compressor drive motor assy ES 61110-3

TSO

DI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

New

A/C System Deactivated Pending Replacement of Entire System

ATA 24 - ELECTRICAL POWER SYSTEM

24 - 33 BATTERIES

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
24/33/00/000/000/002 Do the inspection of VARTA battery AMM 24-30-00-6-5 3349025920 (-) 33490409206 (-) According to manufacturer's instructions Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Changed				N/A
24/33/00/000/000/003 Do the inspection of SAFT battery AMM 24-30-00-6-2 According to manufacturer's instructions Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Changed Overhauled Battery Installed 7-29-22				To be C/W at 12 mo. Insp

24 - 62 OVERHEAD PANEL

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
24/62/01/000/000/001 Do the inspection of the overhead panel AMM 24-62-01-6-1 VC Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged Last C/W at 5479.2 AFTT		3000 FH	300 FH	Next Due 8479.2 AFTT

Printed by 200000083349 on 2023-05-16

ATA 25 - EQUIPMENT / FURNISHINGS

25 - 20 CABIN FURNISHINGS

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
25/20/00/000/000/002 Do the inspection of the drip tray	AMM 25-20-00 6-1	12 M	1 M	N/A
VC Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged				

25 - 63 EMERGENCY LOCATOR TRANSMITTER

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
25/63/00/000/000/011 Do the check of the battery voltage in underwater emergency locator transmitter	AMM 25-63-10 6-1	24 M	2 M	N/A
ELP-362D (-) FT Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged				
25/63/00/000/000/012 Do the check of the battery voltage in underwater emergency locator transmitter	AMM 25-63-40 6-2	24 M	2 M	N/A
OK120 (-) FT Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged				
25/63/00/000/000/013 Do the inspection of the ELT (emergency locator transmitter) system	AMM 25-63-40 6-1	12 M	1 M	[REDACTED]
According to local and/or international regulations (e.g. ICAO, FAA, EASA) DI Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged				
Ref: FAR 91.207(d.) Also Ref: Arter manual (Doc. # 570-5060 Rev D) for Arter Last c/w 7-29-22				

25/63/00/000/000/014

Do the self-test of the ELT (emergency locator transmitter) systemAMM 25-63-40.5-1

6 M

15 D

According to local and/or international regulations (e.g. ICAO, FAA, EASA)

FT

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

25/63/00/000/000/015

Do the functional test of the ELT (emergency locator transmitter) systemAMM 25-63-40.5-1

12 M

1 M

According to local and/or international regulations (e.g. ICAO, FAA, EASA)

FT

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

25/63/00/000/000/016

Do the inspection of the ELT (AD) (emergency locator transmitter automatic deployable) systemAMM 25-63-50.5-1

12 M

1 M

According to local and/or international regulations (e.g. ICAO, FAA, EASA)

VC

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

25/63/00/000/000/017

Do the functional test of the ELT (AD) (emergency locator transmitter automatic deployable) systemAMM 25-63-50.5-1

12 M

1 M

According to local and/or international regulations (e.g. ICAO, FAA, EASA)

FT

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

25/63/00/000/000/018

Do the self-test of the ELT (AD) (emergency locator transmitter automatic deployable) systemAMM 25-63-50.5-2

6 M

15 D

According to local and/or international regulations (e.g. ICAO, FAA, EASA)

FT

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

25/63/00/000/000/021

Do the inspection and the functional test of the ELT (emergency locator transmitter) system

AMM 25-63-20.5-2

12 M

1 M

EFFECTIVITY: C406-NHM

FT

Effectivity : P1,P2,P2+,T1,T2,T2+

Unchanged

*C406-1HM Installed**N/A*

25/63/00/000/000/024

Do the check of the battery voltage in underwater emergency locator transmitter

AMM 25-63-40.6-1

24 M

2 M

ELP-362D90

(-)

N/A

FT

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

New

25/63/00/000/000/025

Do the check of the battery voltage in underwater emergency locator transmitter

AMM 25-63-40.6-2

24 M

2 M

DK120/90

(-)

N/A

FT

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

New

25 - 65 LIFE RAFT

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
25/65/00/000/000/001 Do the inspection of the life raft <u>AMM 25-65-00.6-1</u> 245233-0 (-) EFFECTIVITY: Life Raft 606-1 According to manufacturer's instructions VC Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Changed				<i>N/A</i>

25/65/00/000/000/002

Do the inspection of the External Life Raft System (ELRS)

AMM 25-65-01,6-1

L256M5103105 (-)

L256M5104105 (-)

According to manufacturer's instructions

DI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

N/A

ATA 26 - FIRE PROTECTION SYSTEM

26 - 21 ENGINE FIRE EXTINGUISHING SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
26/21/00/000/000/004 Do the check weight of engine fire extinguishing bottle	AMM 26-21-01,5-1	5 Y	6 M	Next Due 07/2027
According to local and/or international regulations (e. g.: ICAO, FAA, EASA) WGH Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged	Last C/W 7-29-22			

26 - 25 PORTABLE FIRE EXTINGUISHER

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
26/25/00/000/000/001 Do the inspection of the portable fire extinguisher	AMM 26-25-00,6-1	2 Y	2 M	Next Due 07/2024
HAL 1-74-00 (7052M3262001) EFFECTIVITY: Halon Fire Extinguisher After 31.12.2025 halon portable fire extinguishers are not serviceable anymore. VC Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Changed	Last C/W 07-29-22			

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

26/25/00/000/000/003

Do the inspection of the portable fire extinguisher

AMM 26-25-00.6-1

30 D

0

P3APP003010A (U262A50T1001)

P3APP003010D (U262A50T1003)

EFFECTIVITY: Halon Free Fire Extinguisher

VC

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Changed

N/A

26/25/00/000/000/007

Do the weight test of the portable fire extinguisher

AMM 26-25-00.5-1

2 Y

2 M

HAL1-74-00 (7052M3262001)

EFFECTIVITY: Halon Fire Extinguisher

After 31.12.2025 halon portable fire extinguishers are not serviceable anymore.

WGH

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

New

C/W by Robert Tech 07-29-22

Next Due

07/2024

26/25/00/000/000/008

Do the weight test of the portable fire extinguisher

AMM 26-25-00.5-1

2 Y

2 M

P3APP003010A (U262A50T1001)

P3APP003010D (U262A50T1003)

EFFECTIVITY: Halon Free Fire Extinguisher

WGH

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

New

N/A

ATA 28 - FUEL SYSTEM

28 - 18 AUXILIARY FUEL TANK

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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28/18/00/000/000/003

Do the inspection of the auxilliary fuel tankAMM 28-18-00-6-1

500 FH

50 FH

//

12 M

1 M

N/A

For the removable part of the optional equipment the time limit can be referred to the flight time of the optional equipment, as far as the requirements are met. If the

requirements are not met, the time limit must be referred to the flight time of the helicopter

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Changed

28/18/00/000/000/004

Do the inspection of the bladder tankAMM 28-18-00-6-1

5 Y

6 M

N/A

Procedure (20)

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Changed

ATA 31 - INDICATING AND RECORDING SYSTEMS**31 - 32 COCKPIT VOICE AND FLIGHT DATA RECORDER (CVFDR)**

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
31/32/10/000/000/001 Do the functional test of the immersion probe	<u>AMM 31-32-10-5-3</u>	24 M	2 M	N/A
EFFECTIVITY: Flight Data Recorder FT Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged				
31/32/10/000/000/002 Do the funtional test of the CVFDR	<u>AMM 31-32-10-5-4</u>	12 M	1 M	N/A
FT Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged				

31 - 61 FLIGHT CONTROL DISPLAY SYSTEM (FCDS)

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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31/61/00/000/000/004

Do the functional test of fan in the PELICAN rack

AMM 31-61-00,5-2

100 FH

10 FH

N/A

On H/C with

SPIFR/DPIFR operation kit L340M1809051 or

SPIFR operation kit L340M1816051 (Flight Manual Supplement FMS 9.2-56)

FT

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

31 - 65 CENTRAL PANEL DISPLAY SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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31/65/00/000/000/003

Do the functional test of the Center Panel Display System (CPDS) fan

AMM 31-65-00,5-7

100 FH

10 FH

N/A

EFFECTIVITY: up to and including software V1999

On H/C with CPDS

FT

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

31 - 71 USAGE MONITORING SYSTEM UMS

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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31/71/00/000/000/002

Do the inspection of the MFDAU battery

AMM 31-71-00,8-1

5 Y

N/A

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

ATA 32 - LANDING GEAR

32 - 15 EMERGENCY FLOTATION SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin
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Printed from Orion EC135 Rev 012.00 (Update 01) MSM 05-25-00 (2023-03-22)

P1,P2,P3,T1,T2,T3

Printed by z000003

https://orion.airbus.com/pub/ec135-p1p2p3p3ht1t2t3t3h_012-00_en-en/012.00.01/du/DMC-EC135-P1P2P3T1T2T3-0000-05-25-00-0

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

32/15/00/000/000/009

Do the inspection of the emergency flotation system

AMM 32-15-00-6-3

PO	6	Y	7 M
&	9	Y	10 M
&	12	Y	14 M

EFFECTIVITY: Emergency Flotation System

6 Y TSI

9 Y TSI

12 Y TSI

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

N/A

32/15/00/000/000/004

Do the inspection of the fixed part of the emergency flotation system

AMM 32-15-00-6-1

18 M 1 M

EFFECTIVITY: Emergency Flotation System

TSM

VC

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

N/A

32/15/00/000/000/005

Do the pressure and weight check of the gas cylinder of the emergency flotation system

AMM 32-15-00-5-3

12 M 1 M

EFFECTIVITY: Emergency Flotation System

Time counts from the date of the last charge (charge date), to be read off on the charge data label on the gas cylinder

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Changed

N/A

32/15/00/000/000/006

Do the follow-up check (hydrostatic retest) of the gas cylinder of the emergency flotation system

AMM 32-15-00-5-3

3 Y 3 M

214750-0

(-)

EFFECTIVITY: Emergency Flotation System

EFFECTIVITY: Gas cylinder made of kevlar

Time counts from the date of the last follow-up check (DOT test date), to be read off on the cylinder type approval label on the gas cylinder

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Changed

N/A

32/15/00/000/000/007

Do the follow-up check (hydrostatic retest) of the gas cylinder of the emergency flotation system

AMM 32-15-00,5-3

5 Y

6 M

214750-1

(-)

216689-0

(-)

216689-1

(-)

N/A

EFFECTIVITY: Emergency Flotation System

EFFECTIVITY: Gas cylinder made of carbon fiber

Time counts from the date of the last follow-up check (DOT test date), to be read off on the cylinder type approval label on the gas cylinder

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Changed

32/15/00/000/000/008

Do the resistance measuring of the electrical fuse insert of the emergency flotation system

AMM 32-15-00,5-4

12 M

1 M

N/A

EFFECTIVITY: Emergency Flotation System

Time counts from the date of the last charge (charge date), to be read off on the charge data label on the gas cylinder

FT

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

32/15/00/000/000/012

Do the functional test of the electrical system of the emergency flotation system

AMM 32-15-00,5-1

1000 FH

100 FH

N/A

EFFECTIVITY: Emergency Flotation System

FT

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

32/15/00/000/000/013

Do the inspection of the emergency flotation system

AMM 32-15-00,6-2

18 M

1 M

N/A

EFFECTIVITY: Emergency Flotation System

TSI

VC

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

32 - 72 SNOW SKIDS

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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32/72/00/000/000/001

Do the inspection of the snow skids

AMM 32-72-00-6-1

12 M

1 M

N/A

It is recommended to inspect the snow skids after the end of the snow season

VC

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

32 - 74 TOP-MOUNTED SETTTLING PROTECTOR

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
32/74/00/000/000/004 Do the inspection of the removable part of the settling protection	AMM 32-74-02-6-1	1000 FH // 3 Y	100 FH 4 M	N/A
EFFECTIVITY: Top-Mounted Settling Protector For the removable part of the optional equipment the time limit can be referred to the flight time of the optional equipment, as far as the requirements are met. If the requirements are not met, the time limit must be referred to the flight time of the helicopter The inspection referred to the flight time of the helicopter is contained in the Periodical Inspection 32/74/00/000/000/003 VC Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H New				

ATA 33 - LIGHTS**33 - 41 POSITION LIGHTS**

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
33/41/00/000/000/002 Do the inspection of the position lights	AMM 33-41-00-6-1	2000 FH // 72 M	200 FH 6 M	N/A
U334A10T1001 (-)				
U334A10T1002 (-)				
U334A10T1003 (-)				
GVI Effectivity : P3,P3H,T3,T3H Unchanged				

33 - 46 SEARCH LIGHT

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
33/46/00/000/000/006 Do the operational test of the Trakkabeam A800 Searchlight AMM 33-46-02.5-3 100 FH 10 FH TSI FT Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged				N/A
33/46/00/000/000/007 Do the inspection of the Trakkabeam A800 Searchlight AMM 33-46-02.6-2 100 FH 10 FH Tropical and damp atmosphere Salt-laden atmosphere Sand-laden and/or dust-laden atmosphere Cold weather Very cold weather TSI VC Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged				N/A
33/46/00/000/000/009 Do the inspection of the Trakkabeam A800 Searchlight AMM 33-46-02.6-1 1800 FH 55 FH TSI Maintenance Task Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged				N/A
33/46/00/000/000/010 Do the inspection of the search light SX16 AMM 33-46-01.6-1 3 M 0 // 100 OPH 0 Note: SX16 is mounted on After market Base Tail / Utility Mount. DI Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Changed - Inspected SX16 Mounting Bracket - Performed OP's Check / Function Check				

33/46/00/000/000/012

Do the inspection of the gimbal assembly of search light SX16

AMM 33-46-016-2

1 M

0

DI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

Inspected Night Vision Gimbal *Note: Gimbal Arm was replaced in Aug of 2018*

33 - 53 EMERGENCY EXIT LIGHTING

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
33/53/00/000/000/002 Do a check of the charge of the NC battery for emergency exit lighting	AMM 33-53-006-2	12 M	1 M	N/A
DI Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged				
33/53/00/000/000/003 Do a check of the power supply and rechargeable battery for HEEL cabin and do a capacity check	AMM 33-53-106-1	18 M	1 M	N/A
EFFECTIVITY: HEEL System According to local and/or international regulations (e. g.: ICAO, FAA, EASA) DI Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged				
33/53/00/000/000/004 Do the functional test of the immersion switch	AMM 33-53-105-1 AMM 33-53-105-2	18 M	1 M	N/A
EFFECTIVITY: HEEL System According to local and/or international regulations (e. g.: ICAO, FAA, EASA) FT Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged				

ATA 34 - NAVIGATION

34 - 00 NAVIGATION

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
34/00/00/000/000/001 Do the inspection of the avionic equipment <u>AMM 34-00-00-6-1</u> In coordination with the local and/or international regulations (e.g. ICAO, FAA, EASA) DI Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged		12 M	1 M	N/A

34 - 11 PITOT-STATIC SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
34/11/00/000/000/003 Do the inspection of display accuracy of the pitot-static system <u>AMM 34-11-00-5-2</u> EFFECTIVITY VFR FT Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Changed <i>Last C/W 03-21-23</i>		24 M	2 M	Next Due 03/2025
34/11/00/000/000/007 Do the inspection of display accuracy of the pitot-static system <u>AMM 34-11-00-5-2</u> EFFECTIVITY IFR FT Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Changed		12 M	1 M	N/A
34/11/00/000/000/008 Do the leakage test of the pitot-static system <u>AMM 34-11-00-5-1</u> EFFECTIVITY IFR NPT Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged		12 M	1 M	N/A

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

34/11/00/000/000/009

Do the leakage test of the pitot-static system

AMM 34-11-00.5-1

24 M

2 M

Next
Due
03/2025

EFFECTIVITY VFR

NPT

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

Last C/w 03-21-23

34 - 15 AIR DATA COMPUTER SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
34/15/00/000/000/001 Do the functional test of the air data system ADS 3000 / 3200 AMM 34-15-00.5-1 AMM 34-15-00.5-2 FT Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged		12 M	1 M	N/A

34 - 22 ATTITUDE AND HEADING REFERENCE SYSTEM (AHRS)

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
34/22/00/000/000/004 Do the compensation of the Attitude and Heading Reference System AHRS AMM 34-22-00.5-2 Only effective, if no other interval is set i.a.w. the local and/or international regulations (e.g. ICAO, FAA, EASA) Maintenance Task Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged		12 M	1 M	N/A

34 - 23 STANDBY COMPASS

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

34/23/00/000/000/001

Do the compensation of the standby compass

AMM 34-23-00.5-2

12 M

1 M

Next Due

01/2024

EFFECTIVITY Only effective, if no other interval is set i.a.w. the local and/or international regulations (e.g. ICAO, FAA, EASA)

Maintenance Task

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Last C/w 01-27-23

34/23/00/000/000/003

Do the compensation of the gyro compass system

AMM 34-64-00.5-1

12 M

1 M

Next Due

01/2024

Only effective, if no other interval is set i.a.w. the local and/or international regulations (e.g. ICAO, FAA, EASA)

Maintenance Task

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

Last C/w 01-27-23

34 - 25 STBY ARTIFICIAL HORIZON

Task Number

Description/Remarks

Documentation

Interval

Margin

Initial

34/25/00/000/000/001

Do the functional test of the emergency power supply battery

AMM 34-25-00.5-1

6 M

1 M

501-1228-03

(PS-835C)

N/A

Refer also to Service Letter SL-80

FT

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

34/25/00/000/000/002

Do the discharge test of the emergency power supply battery

AMM 34-25-00.2-2

12 M

1 M

501-1228-03

(PS-835C)

N/A

Refer also to Service Letter SL-80

FT

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

34 - 63 NAVIGATION MANAGEMENT SYSTEM NMS

Task Number

Description/Remarks

Documentation

Interval

Margin

Initial

34/63/00/000/000/003

Do an electrical bonding check of the GTN

AMM 34-63-16.5-5

2000 FH

200 FH

//

10 Y

1 Y

N/A

Maintenance Task

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

34/63/00/000/000/004

Do the inspection of the GTN unit, switches and wiring harnesses

AMM 34-63-16.6-2

12 M

1 M

N/A

In coordination with the responsible aviation authority

VC

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

ATA 52 - DOORS AND SERVICE COVERS

52 - 13 SLIDING DOORS

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
52/13/00/000/000/002 Do the inspection of the sliding door upper arm for cracks	<u>AMM 52-13-00.6-1</u>	100 FH	10 FH	
<u>L521M3067101</u> (-)				
<u>L521M3068101</u> (-)				
Procedure (5) VC Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3 Unchanged	Note: Technically Does Not Apply by P/N, but C/w Visual Inspection			

ATA 53 - FUSELAGE

53 - 30 MAIN FUSELAGE STRUCTURE

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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53/30/00/000/000/009

Do the inspection of the main gearbox mounts (XY fitting)

AMM 53-30-00,6-10

100 FH

10 FH

L533M2001102

(-)

PRE SB EC135-53-016

Up to S/N 0504

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

ATA 56 - WINDOWS

56 - 00 WINDOWS

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
56/00/00/000/000/001 Do the inspection of the push-out side window panes AMM 56-00-00,6-1 EFFECTIVITY: Helicopter with Emergency Exit side window Panes DI Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Changed		2 Y	2 M	N/A
56/00/00/000/000/002 Do the functional test of the push-out sliding door window panes (emergency exit) AMM 56-00-00,5-1 FT Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Changed		2 Y	2 M	Next Due 08/2023 + 2 months Tolermec

ATA 62 - MAIN ROTOR SYSTEM

62 - 11 MAIN ROTOR BLADE

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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62/11/00/000/000/014

Do the inspection of the main rotor blades

AMM 62-11-00.4-2

200 FH

20 FH

AMM 62-11-00.6-1When operated without mast moment system

Main rotor blades removed

Procedure (11), (12), (13) and (40)

DI

Effectivity : P1,P2,P2+,T1,T2,T2+

Unchanged

N/A

62/11/00/000/000/017

Do the inspection of the attachment hardware of bearing support

AMM 62-11-00.6-1

15 FH

1 FH

PRE ASB EC135-62A-005 Rev.1

Only applicable if not retrofitted i.a.w. ASB EC135-62A-005, Rev. 01.

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

62/11/00/000/000/018

Do the inspection of the adapter for discharger

AMM 62-11-00.6-1

100 FH

10 FH

L621M1010052 (-)L621M1010053 (-)L621M1010054 (-)

PRE SB EC135-62-009

Procedure (8)

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

Technically does not Apply by off-hub only, but also Vard Inspection

62/11/00/000/000/019

Do the inspection of the PU protective foil

AMM 62-11-00.6-1

50 FH

5 FH

L621M1014051 (-)

POST SB EC135-62-017-Rev.01

EFFECTIVITY: Main rotor blades with Sand Erosion Protection on the Blade Tip

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

62/11/00/000/000/020

Do the inspection of the complete sprayable erosion protection of the main rotor blades

AMM 62-11-00,6-9

50 FH

5 FH

L621M1015051 (-)

L621M1015053 (-)

POST SB EC135-62-035

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

62/11/00/000/000/021

Do the inspection of the main rotor blades

AMM 62-11-00,4-2

200 FH

20 FH

AMM 62-11-00,6-1

When operated without mast moment system

Main rotor blades removed

Procedure (11), (12), (13) and (38)

DI

Effectivity : P3,P3H,T3,T3H

Unchanged

N/A

62 - 31 MAIN ROTOR HUB-SHAFT

Task Number	Documentation	Interval	Margin	Initial
Description/Remarks				

62/31/00/000/000/007

Retighten main rotor Hub-shaft nut to the specified torque

AMM 62-31-00,4-8

PO

150 FH

15 FH

FH Related to the flight time of the main transmission

TSN / TSO / TSR

TSR only effective, if the hub-shaft nut has been loosened for the repair

RTQ

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Last Clw @ 4704.3

N/R

62/31/00/000/000/006

Do the inspection of the main rotor hub shaft

AMM 62-31-00,6-3

5000 FH

500 FH

Removed

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Installed "New" at 3752.2 AFTT

Due at
8752.2
AFTT

62/31/00/000/000/013

Do the inspection of the main rotor hub-shaft

AMM 62-31-00 6-3

15 FH

1 FH

EFFECTIVITY: Main rotor hub-shaft with contact surfaces for rotating scissor clamps.

If the test procedure is changed from the dye-penetrant crack inspection to a visual inspection, the first visual inspection must be accomplished 15 Fh after the last dye-penetrant crack inspection has been accomplished.

Procedure (1)

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

62/31/00/000/000/014

Do the inspection of the main rotor hub-shaft

AMM 62-31-00 6-3

100 FH

10 FH

EFFECTIVITY: Main rotor hub-shaft with contact surfaces for rotating scissor clamps.

If the test procedure is changed from the visual inspection to a dye-penetrant crack inspection, the first dye-penetrant crack inspection must be accomplished 15 Fh after the last visual inspection has been accomplished.

Procedure (1)

DIS

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

62/31/00/000/000/015

Retighten main rotor Hub-shaft nut to the specified torque

AMM 62-31-00 4-8

1000 FH

100 FH

FH Related to the flight time of the main transmission

RTQ

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Last C/W @ 4704.3 AFTT

Next
Due
5704.3
AFTT

62 - 32 SWASHPLATE

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
62/32/00/000/000/017 Do the inspection of the swashplate	<u>AMM 62-32-00 6-1</u>	5000 FH	500 FH	Due at 8752.2
Disassembled DI Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged	Overhauled Swashplate Installed @ 3752.2			

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

62/32/00/000/000/021

Do the inspection of the swashplate bearing

AMM 62-32-00,6-1

50 FH

5 FH

//

6 M

18 D

L623M2001211

(-)

L623M2005101

(-)

N/A

POST SB EC135-62-001

EFFECTIVITY: Swashplate P/N L623M2005101 with ring P/N L623M2001211.

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

Swashplate P/N: L623M2005103

62 - 33 ROTATING CONTROL ROD

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

62/33/00/000/000/004

Do the inspection of the torsion slippage marks on bolt heads of attachment hardware of the rotating control rods

AMM 62-33-00,6-1

50 FH

5 FH

N/A

PRE SB EC135-62A-010

EFFECTIVITY: S/N 0005-0235 before retrofit to two-part nut

Procedure (6)

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

ATA 63 - MAIN ROTOR DRIVE

63 - 11 INPUT SHAFT

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

63/11/00/000/000/001

Do the inspection of the drive shafts

AMM 63-11-00,6-1

5000 FH

500 FH

//

6 Y

7 M

19E293-1A

(-)

Last C/W 11-28-18

@ 4704.3 AFTT Ref: Periodical Insp. Package
w/o # 98C-4704.3

EFFECTIVITY: LUCAS drive shafts

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Next
Due
9704.3 AFTT
OR
11/2024

Done by [Signature]

Last C/W at 37522 on 02-10-17

63/11/00/000/000/002

Do the inspection of the drive shafts

AMM 63-11-00-6-4

5600 FH

560 FH

//

9 Y

10 M

SKCP3177.1

(-)

EFFECTIVITY: KAMATICS drive shafts

Inspection to be performed by the manufacturer

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

N/A

63 - 21 MAIN TRANSMISSION

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

63/21/00/000/000/044

Do the intermediate inspection of the main gearbox

AMM 63-21-00-6-7

PO

2400

FH

240 FH

&

3200

FH

320 FH

&

4000

FH

400 FH

&

4500

FH

450 FH

N/A

L632M1130101 (4649 030 011)

TSN / TSO

Main gearbox inspected by the manufacturer

Contact AIRBUS HELICOPTERS DEUTSCHLAND prior to accomplishment

Maintenance Task

Effectivity : P3,P3H,T3,T3H

Unchanged

63/21/00/000/000/048

Do the inspection of the main gearbox

AMM 63-21-00-6-7

PO

4500

FH

135 FH

L632M10A2102 (4649 020 008)

L632M10A2103 (4649 020 010)

TSN / TSO

Main gearbox inspected by the manufacturer

Contact AIRBUS HELICOPTERS DEUTSCHLAND prior to accomplishment

Maintenance Task

Effectivity : P1,P2,P2+,T1,T2,T2+

Unchanged

Due @

852.2
AFTY

Overhauled / AG-B S/N: 1264 Installed at 3752.2 AFTY

63/21/00/000/000/042

Do the inspection of the spacer tube

AMM 63-21-00.6-2

1600 FH

160 FH

4649 205 004 (-)

4649 205 017 (-)

Removed

Wear dependant TSI

EFFECTIVITY:

Hub shaft nut P/N 4649 205 004

Hub shaft nut P/N 4649 205 017

After the main gearbox has been overhauled the time interval restarts to count from zero hours on

TSN

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Pos+SB EC135-63-023

N/A

See below

63/21/00/000/000/043

Do the inspection of the spacer tube

AMM 63-21-00.6-2

2000 FH

200 FH

4649 205 021 (-)

Removed

Wear dependant TSI

EFFECTIVITY: Hub shaft nut P/N 4649 205 021

After the main gearbox has been overhauled the time interval restarts to count from zero hours on

TSN

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Due at

5752.2
AFTT

63/21/00/000/000/045

Do the inspection of the freewheel clutch

AMM 63-21-00.6-6

4000 FH

400 FH

TSN / TSO

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Due at

7752.2
AFTT

63 - 51 ROTOR BRAKE SYSTEM

Task Number	Documentation	Interval	Margin	Initial
Description/Remarks				

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

63/51/00/000/000/003

Do the inspection of the rotor brake system

AMM 63-51-00-6-2

100 FH

10 FH

//

300 OPC

30 OPC

08.4654.30

N/A

(-)

LG35M1025229

N/A

(-)

N/A

OPC = Brake cycles

The 100 FH interval is applicable only if the braking cycles have been incompletely recorded since the last inspection was accomplished.

GVI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

New

63/51/00/000/000/006

Do the inspection of the rotor brake system

AMM 63-51-00-6-2

100 FH

10 FH

//

300 OPC

30 OPC

LG35M1025210

(-)

OPC = Brake cycles

The 100 FH interval is applicable only if the braking cycles have been incompletely recorded since the last inspection was accomplished.

GVI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

Replaced Brake Linings due to wear beyond limits

ATA 64 - TAIL ROTOR

64 - 22 TAIL ROTOR

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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64/22/00/000/000/008

Do the inspection of the tail rotor

<u>AMM 64-22-00.6-1</u>		1600 FH	160 FH
<u>AMM 64-22-00.6-2</u>	//	4 Y	4 M
<u>AMM 64-22-00.6-4</u>			
<u>AMM 64-22-00.6-5</u>			
<u>AMM 64-22-00.6-6</u>			
<u>AMM 64-22-00.6-7</u>			
<u>AMM 64-22-00.6-8</u>			
<u>AMM 64-22-00.6-9</u>			
<u>AMM 64-22-00.6-10</u>			
<u>AMM 64-22-00.6-11</u>			
<u>AMM 64-22-00.6-12</u>			
<u>AMM 64-22-00.6-13</u>			
<u>AMM 64-22-00.6-14</u>			
<u>AMM 64-22-00.6-15</u>			
<u>AMM 64-22-00.6-16</u>			
<u>AMM 64-22-00.6-17</u>			
<u>AMM 64-22-00.6-18</u>			
<u>AMM 64-22-00.6-19</u>			
<u>AMM 64-22-00.6-20</u>			
<u>AMM 64-22-00.6-21</u>			
<u>AMM 64-22-00.6-22</u>			
<u>AMM 64-22-00.6-23</u>			

N/A

PRE SB EC135-64-005
EFFECTIVITY: Not fixed torlon rings

DI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

64/22/00/000/000/009

Do the inspection of the tail rotor

<u>AMM 64-22-00.6-1</u>		2000 FH	200 FH
<u>AMM 64-22-00.6-2</u>	//	4 Y	4 M
<u>AMM 64-22-00.6-4</u>			
<u>AMM 64-22-00.6-5</u>			
<u>AMM 64-22-00.6-6</u>			
<u>AMM 64-22-00.6-7</u>			
<u>AMM 64-22-00.6-8</u>			
<u>AMM 64-22-00.6-9</u>			
<u>AMM 64-22-00.6-10</u>			
<u>AMM 64-22-00.6-11</u>			
<u>AMM 64-22-00.6-12</u>			
<u>AMM 64-22-00.6-13</u>			
<u>AMM 64-22-00.6-14</u>			
<u>AMM 64-22-00.6-15</u>			
<u>AMM 64-22-00.6-16</u>			
<u>AMM 64-22-00.6-17</u>			
<u>AMM 64-22-00.6-18</u>			
<u>AMM 64-22-00.6-19</u>			
<u>AMM 64-22-00.6-20</u>			
<u>AMM 64-22-00.6-21</u>			
<u>AMM 64-22-00.6-22</u>			
<u>AMM 64-22-00.6-23</u>			

Next Due at 7511.3 AFTT OR 10/2024

L642M0101881

(-)

POST SB EC135-64-005

EFFECTIVITY: Fixed torlon rings

DI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

C/W at 7511.3 AFTT on 10-18-22

ATA 65 - TAIL ROTOR DRIVE

65 - 11 TAIL ROTOR DRIVE SHAFT

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
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THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

65/11/00/000/000/009

Do the check for radial deflection of the tail rotor drive shaft

AMM 65-11-00-5-1

PO

1000

FH

100 FH

Next Due

6382.4
AFTT

TSN

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Last C/W @ 5382.4 AFTT

65/11/00/000/000/007

Do the check for radial deflection of the tail rotor drive shaft

AMM 65-11-00-5-1

100 FH

10 FH

N/R
at this
Time

After 65/11/00/000/000/009

The recurring 100 hour inspection is due when the rubber sleeves exceed 1000 Fh TSN

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

New Sleeves Installed at 5382.4 AFTT (See Previous Task)

65/11/00/000/000/008

Do the inspection of the tail rotor drive shafts

AMM 65-11-00-6-1

4000 FH

400 FH

Next Due
7752.2
AFTT

Disassembled

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Last C/W @ 3752.2 AFTT

65 - 22 TAIL ROTOR GEARBOX

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

65/22/00/000/000/011

Do the inspection of the tail rotor transmission

AMM 65-22-00-6-1

2000 FH

200 FH

//

4 Y

4 M

Next Due
@ 7511.3 AFTT
OR
by 10/2026

N/A L652A2006201

N/A L652A2006202

(-)
Input Flange
(-)

Procedure (1),(2),(4),(5)

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Input Flange P/N: L652A2006203

Last C/W @ 5511.5 AFTT on 10/18/22

See next Task

N/A

65/22/00/000/000/012

Do the inspection of the tail rotor transmission

AMM 65-22-00.6-1

2000 FH

200 FH

//

4 Y

4 M

L652A2006203

(-)

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Last C/W @ 5511.3 AFTT on 10-18-22

Next Due

@ 7511.3 AFTT

OR

by 10/2026

65/22/00/000/000/013

Do the inspection of the input drive flange

AMM 65-22-00.6-1

1200 FH

120 FH

//

3 Y

3 M

N/A L652A2006201

(-)

N/A L652A2006202

(-)

Procedure (3)

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

N/A

ATA 67 - ROTOR FLIGHT CONTROL

67 - 00 ROTOR FLIGHT CONTROL

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
67/00/00/000/000/001 Do the adjustment of the boosted section of the tail rotor controls	AMM 67-00-00.5-3	4000 FH	400 FH	Due at 5752.2 AFTT
Maintenance Task Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged				

67 - 12 COLLECTIVE CONTROLS

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

THE DOCUMENT REFERENCE IS AVAILABLE ONLINE. PLEASE CHECK IF THE ONLINE DOCUMENTATION CORRESPONDS TO THE PRINTED VERSION

67/12/00/000/000/007

Detailed Inspection of the collective shaft

AMM 67-12-00,6-6

PO

7

Y

8 M

N/R

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

C/W by Rotor Tech 7-29-22

67/12/00/000/000/009

Detailed Inspection of the collective shaft

AMM 67-12-00,6-6

3 Y

3 M

Next
Due
07/2025

After 67/12/00/000/000/007 if no corrosion is detected

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Last C/W 7-29-22

67/12/00/000/000/010

Special Detailed Inspection of the collective shaft

AMM 67-12-00,6-6

12 M

3 M

N/A

After 67/12/00/000/000/007 or 67/12/00/000/000/009 if corrosion is detected

SDI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

See Previous Task

67 - 13 MIXING LEVER GEAR UNIT

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
67/13/00/000/000/013 Do the inspection of the mixing lever gear unit AMM 67-13-00,6-2 Disassembled DI Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H Unchanged		5000 FH	500 FH	Due at 8752.2 AFTT

67 - 20 TAIL ROTOR CONTROLS

Task Number Description/Remarks	Documentation	Interval	Margin	Initial

67/20/00/000/000/005

Do the inspection of the pedals of the tail rotor controls

AMM 67-20-00.6-6

50 FH

5 FH

PRE ASB EC135-67A-003.Rev.03

EFFECTIVITY: S/N 0001 - 0120

DI

Effectivity : P1,P2,P2+,T1,T2,T2+

Changed

N/A

67/20/00/000/000/006

Do the inspection of the control rod of the tail rotor controls

AMM 67-20-00.6-5

100 FH

10 FH

L672M2005207

(-)

DI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

67/20/00/000/000/007

Do the inspection of the ball pivot on the tail rotor controls

AMM 67-20-00.6-7

100 FH

10 FH

92-201-00

(-)

VCJFT

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

N/A

67/20/00/000/000/008

Do the inspection of the ball pivot on the tail rotor controls

AMM 67-20-00.6-7

400 FH

40 FH

//

12 M

1 M

92-207-00

(-)

VCJFT

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

Next Due

at 5879.2 AFTN

OR

by 07/2023

+ 1 month Tolerance

Drop Dead
Date

Due by 08/2023

Last C/w @ 5479.2 on 7-29-22

To be C/w at
12 month Inspection

ATA 71 - POWER PLANT

71 - 61 SAND FILTER

Task Number	Documentation	Interval	Margin	Initial
Description/Remarks				

71/61/00/000/000/005

Do the inspection of the sand filter fan

AMM 71-61-00,6-4

500 FH

50 FH

EFFECTIVITY: Sand Filter

For the removable part of the optional equipment the time limit can be referred to the flight time of the optional equipment, as far as the requirements are met. If the requirements are not met, the time limit must be referred to the flight time of the helicopter.

The inspection referred to the flight time of the helicopter is contained in the Intermediate Inspection 71/61/00/000/000/003 and/or in the Periodical Inspection.

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

71/61/00/000/000/006

Do the inspection of the removable part of the sand filter

AMM 71-61-00,6-5

1000 FH

100 FH

//

2 Y

2 M

EFFECTIVITY: Sand Filter

For the removable part of the optional equipment the time limit can be referred to the flight time of the optional equipment, as far as the requirements are met. If the requirements are not met, the time limit must be referred to the flight time of the helicopter.

The inspection referred to the flight time of the helicopter is contained in the Intermediate Inspection and/or in the Periodical Inspection.

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

71/61/00/000/000/007

Do the inspection of the sand filter connections of the relay box

AMM 71-61-00,6-1

100 FH

10 FH

L716C1009102

(-)

POST ASB 71A-032

EFFECTIVITY: SAND FILTER WITH RELAY BOX P/N L716C1009102

Procedure (1.i)

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Changed

N/A

71 - 64 INLET BARRIER FILTER IBF

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

71/64/00/000/000/005

Do the inspection of the filter element of Inlet Barrier Filter (IBF)

AMM 71-64-00,6-2

500 FH

50 FH

//

12 M

1 M

VC

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

N/A

71/64/00/000/000/006

Do the inspection of the Inlet Barrier Filter (IBF) pressure sensors

AMM 71-64-00 6-4

36 M

3 M

N/A

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

ATA 79 - OIL COOLING SYSTEM

79 - 24 ENGINE FUZZ BURNER SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

79/24/00/000/000/001

Do the inspection of the engine fuzz burner system

AMM 79-24-00 6-1

12 M

1 M

Next Due
07/2023+ 1 month
Tolerance

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Last C/w 07-29-22

Drop Dead
Date

- Due by 08/2023

To be C/w at
12 month Inspection

ATA 85 - OPTIONAL EQUIPMENT

85 - 11 CARGO HOOK

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

85/11/00/000/000/014

Do the inspection of the removable part of the cargo hook

AMM 85-11-00 6-1

1000 FH

100 FH

//

3 Y

3 M

N/A

For the removable part of the optional equipment the time limit can be referred to the flight time of the optional equipment, as far as the requirements are met. If the requirements are not met, the time limit must be referred to the flight time of the helicopter.

The inspection referred to the flight time of the helicopter is contained in the Intermediate Inspection and/or in the Periodical Inspection.

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

85/11/00/000/000/015

Do the inspection of the fixed part of the cargo hookAMM 85-11-00 6-1

1000 FH

100 FH

//

3 Y

3 M

N/A

The inspection referred to the flight time of the helicopter is contained in the Intermediate Inspection and/or in the Periodical Inspection.

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

85/11/00/000/000/016

Do the special inspection of the cargo hook systemAMM 85-11-00 6-3

12 M

1 M

//

2300 OPC

230 OPC

AS22-44 (-)

AS22-54 (-)

AS22-65 (-)

AS22-S1 (-)

N/A

POST SB EC135-85A-029 Rev03 & PRE SB EC135-85-060

Detachable part cargo hook AS22-44; AS22-54; AS22-65; AS22-81; including all Amdt.

SDI

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

85 - 12 HOIST ASSEMBLY OF EXTERNAL MOUNTED HOIST SYSTEM

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

85/12/00/000/000/025

Do the functional test of cable cutterAMM 85-12-00 5-2

1000 FH

100 FH

N/A

EFFECTIVITY: External Mounted Hoist System

FT

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

85/12/00/000/000/026

Do the Preventive Maintenance of the Rescue Hoist SystemAMM 85-12-02 2-1

N/A

Inspection requirements for reference purpose only.

Refer to CMM for valid Inspection requirements.

DI

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Changed

85/12/00/000/000/048

Do the inspection of the emergency stop fittingsAMM 85-12-00.6-1

100 FH

10 FH

L851M2S10101 (-)L851M2S10102 (-)L851M2S10103 (-)**EFFECTIVITY: Fitting assy**

For the fixed part of the optional equipment the time limit can be referred to the flight time of the optional equipment, as far as the requirements are met. If the requirements are not met, the time limit must be referred to the flight time of the helicopter.

Procedure (1.h 1-6), (1.i 1-5), (1.m), (1.n)

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

85/12/00/000/000/050

Do the inspection of the emergency stop fittingsAMM 85-12-00.6-1

200 FH

20 FH

L851M2S10104 (-)L851M2S10105 (-)**EFFECTIVITY: Fitting assy**

For the fixed part of the optional equipment the time limit can be referred to the flight time of the optional equipment, as far as the requirements are met. If the requirements are not met, the time limit must be referred to the flight time of the helicopter.

Procedure (1.h 1-6), (1.i 1-5), (1.m), (1.n)

VC

Effectivity : P1,P2,P2+,P3,T1,T2,T2+,T3

Unchanged

N/A

85 - 13 PYLON

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

85/13/00/000/000/001

Do the inspection of the Multi-Purpose-Pylon (MPP)AMM 85-13-00.6-1

500 FH

50 FH

For the removable part of the optional equipment the time limit can be referred to the flight time of the optional equipment, as far as the requirements are met. If the requirements are not met, the time limit must be referred to the flight time of the helicopter.

DI

Effectivity : T2+

Unchanged

N/A

85 - 33 ARMOR PROTECTION KIT

Task Number Description/Remarks	Documentation	Interval	Margin	Initial
------------------------------------	---------------	----------	--------	---------

85/33/00/000/000/001

Do the inspection of the armor protection kit

AMM 85-33-00.6-1

24 M

2 M

N/A

VC

Effectivity : P1,P2,P2+,P3,P3H,T1,T2,T2+,T3,T3H

Unchanged

Mechanist	Date	Inspector	Date
Name :	Signature :	Name :	Signature :

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#1 Eng.

INSPECTION BEFORE THE FIRST FLIGHT OF THE DAY			CAUTION: SHOULD THERE BE ANY DISCREPANCY BETWEEN THE MANDATORY MAINTENANCE SCHEDULED INSPECTION TASKS LISTED IN TASK 05-10-10-200-801 AND THOSE LISTED IN THIS TASK, REFER TO TASK 05-10-10-200-801 WHICH IS THE ONLY ONE APPROVED BY THE AIRWORTHINESS AUTHORITIES.					
			NOTE: Maintenance operations must be performed before the maximum frequency (frequency + tolerance) is reached. As long as these intervals are respected, scheduling of maintenance operations will be left at the discretion of the operator. Each maintenance operation can be scheduled independently.					
CAUTION: USE THE FIRST LIMIT REACHED WHEN SEVERAL LIMITS APPEAR FOR THE SAME TASK.								
CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS								
M: Mandatory			R: Manufacturer required			OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Check the air intake surroundings. Check the exhaust pipe surroundings.	-	R	Before First	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Make sure that the oil quantity is between the MIN. oil level and the MAX. oil level.	-	R	Before First	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								

ARRIUS 2

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#1 Eng

TURN-AROUND INSPECTION		CAUTION: SHOULD THERE BE ANY DISCREPANCY BETWEEN THE MANDATORY MAINTENANCE SCHEDULED INSPECTION TASKS LISTED IN TASK 05-10-10-200-801 AND THOSE LISTED IN THIS TASK, REFER TO TASK 05-10-10-200-801 WHICH IS THE ONLY ONE APPROVED BY THE AIRWORTHINESS AUTHORITIES.						
		NOTE: Maintenance operations must be performed before the maximum frequency (frequency + tolerance) is reached. As long as these intervals are respected, scheduling of maintenance operations will be left at the discretion of the operator. Each maintenance operation can be scheduled independently.						
CAUTION: USE THE FIRST LIMIT REACHED WHEN SEVERAL LIMITS APPEAR FOR THE SAME TASK.								
CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS								
M: Mandatory		R: Manufacturer required				OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Make sure that the oil quantity exceeds the MIN. oil level.	-	R	Before Each	NA	FLIGHT	DAILY_FLIGHT	ALL	5-23-77 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								

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#1 Eng

**INSPECTION AFTER THE LAST FLIGHT OF
THE DAY**

CAUTION: SHOULD THERE BE ANY DISCREPANCY BETWEEN THE MANDATORY MAINTENANCE SCHEDULED INSPECTION TASKS LISTED IN TASK 05-10-10-200-801 AND THOSE LISTED IN THIS TASK, REFER TO TASK 05-10-10-200-801 WHICH IS THE ONLY ONE APPROVED BY THE AIRWORTHINESS AUTHORITIES.

NOTE: Maintenance operations must be performed before the maximum frequency (frequency + tolerance) is reached. As long as these intervals are respected, scheduling of maintenance operations will be left at the discretion of the operator. Each maintenance operation can be scheduled independently.

CAUTION: USE THE FIRST LIMIT REACHED WHEN SEVERAL LIMITS APPEAR FOR THE SAME TASK.

CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS

M: Mandatory

R: Manufacturer required

OP: Optional

Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Visually examine the engine and the engine floor for leakage.	-	M	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Check of the automatic cycle countings consistency.	05-10-02-200-801	M	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Check the visual blockage indicator of the fuel filter.	-	M	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
If the indicator popped out, refer to. Task TSB 71-00-06-816-805								
Record in the engine log book the number of flight hours performed during the day.	05-15-00-200-801 Digital Signature	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								

ARRIUS 2

SAFRAN HELICOPTER ENGINES

MAINTENANCE MANUAL

CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS

M: Mandatory

R: Manufacturer required

OP: Optional

Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Record in the engine log book the number of the C1 and the C2 cycles performed during the day. <i>Digital Airframe</i>	-	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Record the number and duration of operating times at a rating above the 30 MINUTE/ INTERMEDIATE CONTINGENCY rating. <i>None</i>	-	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Visually check the condition of the engine. Make sure that the free turbine rotates freely (listen for abnormal noises). Make sure that the gas generator rotating assembly rotates freely during the rundown time (listen for abnormal noises).	-	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Check the visual blockage indicator of the oil filter.	-	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
If the indicator popped out, refer to. Task TSB 71-00-06-816-807								

ARRIUS 2

SAFRAN HELICOPTER ENGINES

MAINTENANCE MANUAL

CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS**M: Mandatory****R: Manufacturer required****OP: Optional**

Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Oil system - Top up and filling Check the oil level within the fifteen minutes following the engine stop. Refill if the oil quantity is at the MIN. oil level. Note the quantity of the oil added to calculate the oil consumption.	12-10-22-610-801	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Check the air intake surroundings. Check the exhaust pipe surroundings.	-	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Remark : if a foreign object is identified in the air intake surroundings, refer to Task 71-02-03-280-801. If a foreign object is identified in the exhaust pipe do a borescopic inspection of the air path, refer to Task 71-02-30-940-801.								

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#1 Eng

INSPECTION AT 100 FLIGHT HOURS		CAUTION: SHOULD THERE BE ANY DISCREPANCY BETWEEN THE MANDATORY MAINTENANCE SCHEDULED INSPECTION TASKS LISTED IN TASK 05-10-10-200-801 AND THOSE LISTED IN THIS TASK, REFER TO TASK 05-10-10-200-801 WHICH IS THE ONLY ONE APPROVED BY THE AIRWORTHINESS AUTHORITIES.						
		NOTE: Maintenance operations must be performed before the maximum frequency (frequency + tolerance) is reached. As long as these intervals are respected, scheduling of maintenance operations will be left at the discretion of the operator. Each maintenance operation can be scheduled independently.						
CAUTION: USE THE FIRST LIMIT REACHED WHEN SEVERAL LIMITS APPEAR FOR THE SAME TASK.								
CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS								
M: Mandatory			R: Manufacturer required			OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Engine health inspection.	Refer to Aircraft Flight Manual	M	Every 100	NA	FH	TSN	ALL	5-22-77 [Signature]
Component standard for above task: ALL Application conditions of above task: Ground run								
Turbine casing. Inspection of the two P3 bleed air tapping bosses (for aircraft manufacturer's use) and of the P3 air pressure transmitter supply boss.	72-00-00-200-801 <i>Post</i>	R	Every 100 <i>Post</i>	+10	FH	TSN	ALL	N/A
Component minimum standard for above task: (PRE TU 16 or PRE TU 20) Application conditions of above task: Engine installed on helicopter								

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#2 Eng

INSPECTION BEFORE THE FIRST FLIGHT OF THE DAY		CAUTION: SHOULD THERE BE ANY DISCREPANCY BETWEEN THE MANDATORY MAINTENANCE SCHEDULED INSPECTION TASKS LISTED IN TASK 05-10-10-200-801 AND THOSE LISTED IN THIS TASK, REFER TO TASK 05-10-10-200-801 WHICH IS THE ONLY ONE APPROVED BY THE AIRWORTHINESS AUTHORITIES.						
		NOTE: Maintenance operations must be performed before the maximum frequency (frequency + tolerance) is reached. As long as these intervals are respected, scheduling of maintenance operations will be left at the discretion of the operator. Each maintenance operation can be scheduled independently.						
CAUTION: USE THE FIRST LIMIT REACHED WHEN SEVERAL LIMITS APPEAR FOR THE SAME TASK.								
CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS								
M: Mandatory			R: Manufacturer required			OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Check the air intake surroundings. Check the exhaust pipe surroundings.	-	R	Before First	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Make sure that the oil quantity is between the MIN. oil level and the MAX. oil level.	-	R	Before First	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								

APPROVED BY THE
TASK FORCE TO
BE IN
THE WIND

FRAN HELICOPTER ENGINES

ARRIUS 2

MAINTENANCE MANUAL

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#2 Eng

TURN-AROUND INSPECTION		CAUTION: SHOULD THERE BE ANY DISCREPANCY BETWEEN THE MANDATORY MAINTENANCE SCHEDULED INSPECTION TASKS LISTED IN TASK 05-10-10-200-801 AND THOSE LISTED IN THIS TASK, REFER TO TASK 05-10-10-200-801 WHICH IS THE ONLY ONE APPROVED BY THE AIRWORTHINESS AUTHORITIES.						
		NOTE: Maintenance operations must be performed before the maximum frequency (frequency + tolerance) is reached. As long as these intervals are respected, scheduling of maintenance operations will be left at the discretion of the operator. Each maintenance operation can be scheduled independently.						
CAUTION: USE THE FIRST LIMIT REACHED WHEN SEVERAL LIMITS APPEAR FOR THE SAME TASK.								
CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS								
M: Mandatory			R: Manufacturer required			OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Make sure that the oil quantity exceeds the MIN. oil level.	-	R	Before Each	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								

ARRIUS 2

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#2 Eng

INSPECTION AFTER THE LAST FLIGHT OF THE DAY		CAUTION: SHOULD THERE BE ANY DISCREPANCY BETWEEN THE MANDATORY MAINTENANCE SCHEDULED INSPECTION TASKS LISTED IN TASK 05-10-10-200-801 AND THOSE LISTED IN THIS TASK, REFER TO TASK 05-10-10-200-801 WHICH IS THE ONLY ONE APPROVED BY THE AIRWORTHINESS AUTHORITIES.						
		NOTE: Maintenance operations must be performed before the maximum frequency (frequency + tolerance) is reached. As long as these intervals are respected, scheduling of maintenance operations will be left at the discretion of the operator. Each maintenance operation can be scheduled independently.						
CAUTION: USE THE FIRST LIMIT REACHED WHEN SEVERAL LIMITS APPEAR FOR THE SAME TASK.								
CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS								
M: Mandatory			R: Manufacturer required			OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Visually examine the engine and the engine floor for leakage.	-	M	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Check of the automatic cycle countings consistency.	05-10-02-200-801	M	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Check the visual blockage indicator of the fuel filter.	-	M	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
If the indicator popped out, refer to. Task TSB 71-00-06-816-805								
Record in the engine log book the number of flight hours performed during the day.	05-15-00-200-801 Digital Average	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								

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M: Mandatory		R: Manufacturer required				OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Record in the engine log book the number of the C1 and the C2 cycles performed during the day.	- <i>Digital Airman</i>	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Record the number and duration of operating times at a rating above the 30 MINUTE/ INTERMEDIATE CONTINGENCY rating.	<i>None</i>	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL <i>NONE</i>	5-22-23 [Redacted]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Visually check the condition of the engine. Make sure that the free turbine rotates freely (listen for abnormal noises). Make sure that the gas generator rotating assembly rotates freely during the rundown time (listen for abnormal noises).	-	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Check the visual blockage indicator of the oil filter.	-	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 [Redacted]
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
If the indicator popped out, refer to. Task TSB 71-00-06-816-807								

ARRIUS 2

CAN HELICOPTER ENGINES

MAINTENANCE MANUAL

CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS								
M: Mandatory			R: Manufacturer required			OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Oil system - Top up and filling Check the oil level within the fifteen minutes following the engine stop. Refill if the oil quantity is at the MIN. oil level. Note the quantity of the oil added to calculate the oil consumption.	12-10-22-610-801	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Check the air intake surroundings. Check the exhaust pipe surroundings.	-	R	After Last	NA	FLIGHT	DAILY_FLIGHT	ALL	5-22-23 
Component standard for above task: ALL Application conditions of above task: Engine installed on helicopter								
Remark : if a foreign object is identified in the air intake surroundings, refer to Task 71-02-03-280-801. If a foreign object is identified in the exhaust pipe do a borescopic inspection of the air path, refer to Task 71-02-30-940-801.								

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#2 Eng.

INSPECTION AT 100 FLIGHT HOURS		CAUTION: SHOULD THERE BE ANY DISCREPANCY BETWEEN THE MANDATORY MAINTENANCE SCHEDULED INSPECTION TASKS LISTED IN TASK 05-10-10-200-801 AND THOSE LISTED IN THIS TASK, REFER TO TASK 05-10-10-200-801 WHICH IS THE ONLY ONE APPROVED BY THE AIRWORTHINESS AUTHORITIES.						
		NOTE: Maintenance operations must be performed before the maximum frequency (frequency + tolerance) is reached. As long as these intervals are respected, scheduling of maintenance operations will be left at the discretion of the operator. Each maintenance operation can be scheduled independently.						
CAUTION: USE THE FIRST LIMIT REACHED WHEN SEVERAL LIMITS APPEAR FOR THE SAME TASK.								
CAUTION: IF USING A COPY OF THIS PAGE, MAKE SURE IT HAS BEEN COPIED FROM A MANUAL THAT CONTAINS ALL THE LATEST REVISIONS								
M: Mandatory			R: Manufacturer required			OP: Optional		
Maintenance tasks	Task No.	Level	Periodicity	Tolerance	Unit	Reference Counter	Operating condition	Date/Signature
Engine health inspection.	Refer to Aircraft Flight Manual	M	Every 100	NA	FH	TSN	ALL	5-22-23 [Signature]
Component standard for above task: ALL Application conditions of above task: Ground run								
Turbine casing. Inspection of the two P3 bleed air tapping bosses (for aircraft manufacturer's use) and of the P3 air pressure transmitter supply boss.	72-00-00-200-801 Post	R	Every 100 Post	+10	FH	TSN	ALL	N/A
Component minimum standard for above task: (PRE TU 16 or PRE TU 20) Application conditions of above task: Engine installed on helicopter								

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Registration No.: _____ Serial No.: _____ Total Operating Time: _____ Fh

E. (7) Perform power check / N1-TOT check:

		Actual Value
Engine to be checked	- running in FLIGHT	
Other engine	- running in IDLE	
NOTE	If sandfilter is installed, refer to differing values in accordance with FLM EC135 T1 (CDS).	
NOTE	If the helicopter takes off at 75 % TRQ, it has to be additionally loaded respectively.	
Power Check / N1-TOT Check	- perform at 75 % TRQ according to FLM EC135 T1 (CDS)	
Pressure altitude and OAT	- record	Press. altitude: 0 OAT: 31.4°C
1 min stabilizing time	- hold	

	ENG 1					ENG 2				
TRQ1 [%]	N1.1 [%]	TOT1 [°C]	N1 _{max} [%]	TOT _{max} [°C]	N2.1 [%]	N1.2 [%]	TOT2 [°C]	N1 _{max} [%]	TOT _{max} [°C]	N2.2 [%]
75	97.2	750	97.4	840	96.9	96.9	752	97.4	830	96.9

TOT Indicator

		Rated Value	Actual Value	✓	
		ENG	ENG		
		1	2		
N1	- record from CDS	≤ N1 _{max}	97.2	96.9	✓
TOT	<u>EGT</u> - record from CDS	≤ TOT _{max}	753.3	745.9	✓

Ground Check Run EC135 T1 (CDS) - Test Report
Form 602 (9 of 10)

GROUND POWER CHECK

TORQUE = 75 %

TURBOMECA ARRIUS 2B1

BLEED AIR CONSUMERS - OFF

GENERATOR - OFF

OAT : 31.4°C
Press. ALT : 0 feet
Max N1 : 97.4

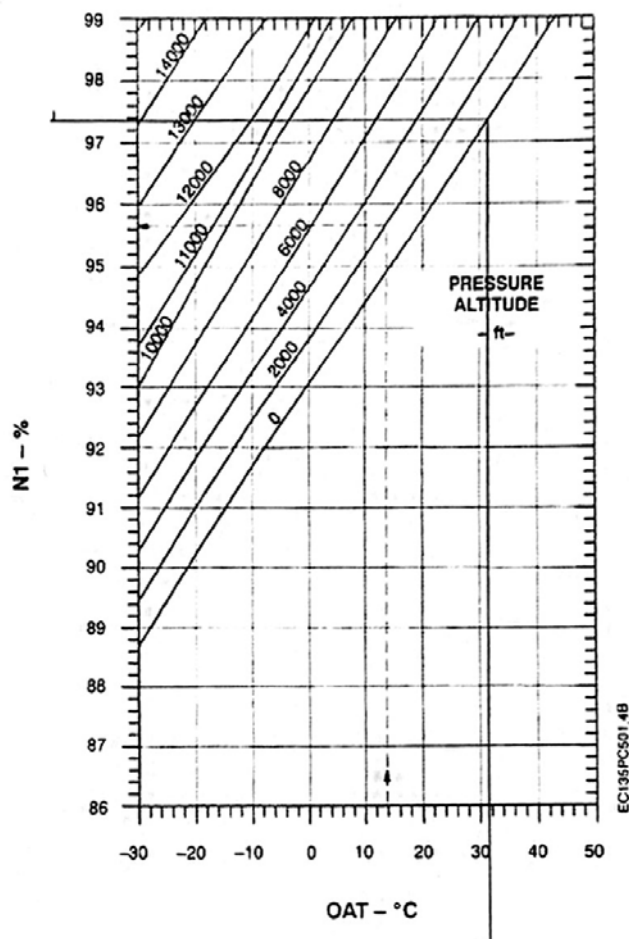
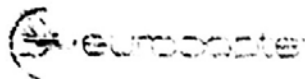


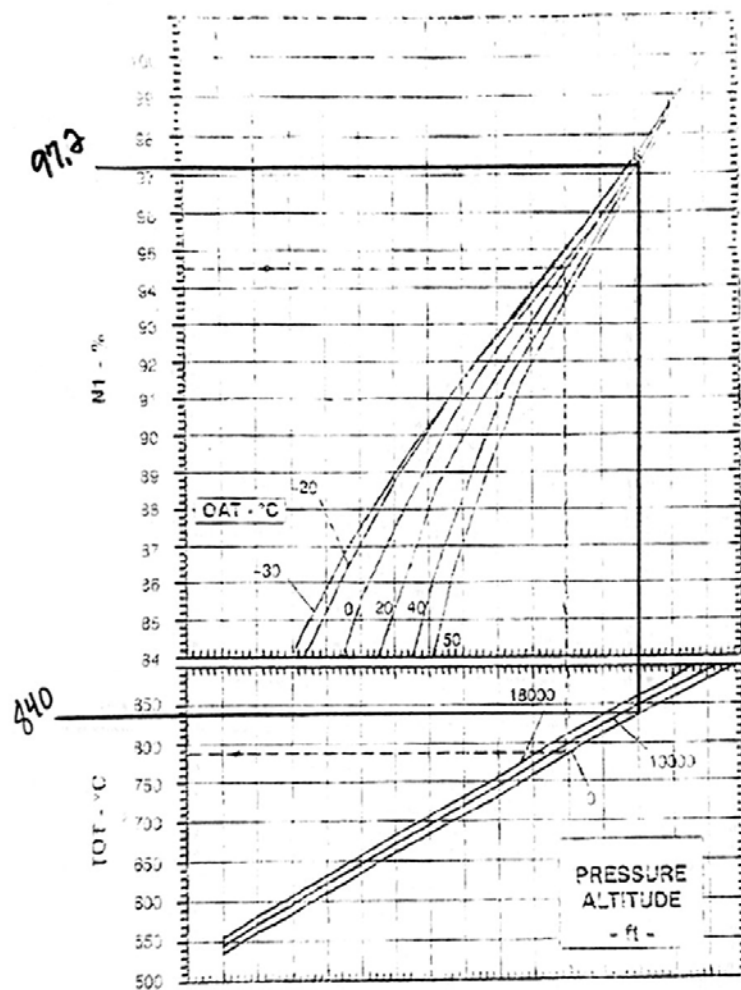
Fig. 5-1 Power check $M_T = 75\%$



EUROCOPTER

N₁ TOT CHECK
PRESSURE ALTITUDE 20

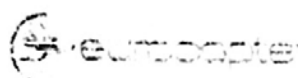
ENGINE AIR CONSUMPTION OF
GENERATOR OFF



#1 Eng.
N₁: 97.2
OAT: 31.4 °C
Press. ALT: 0 Feet

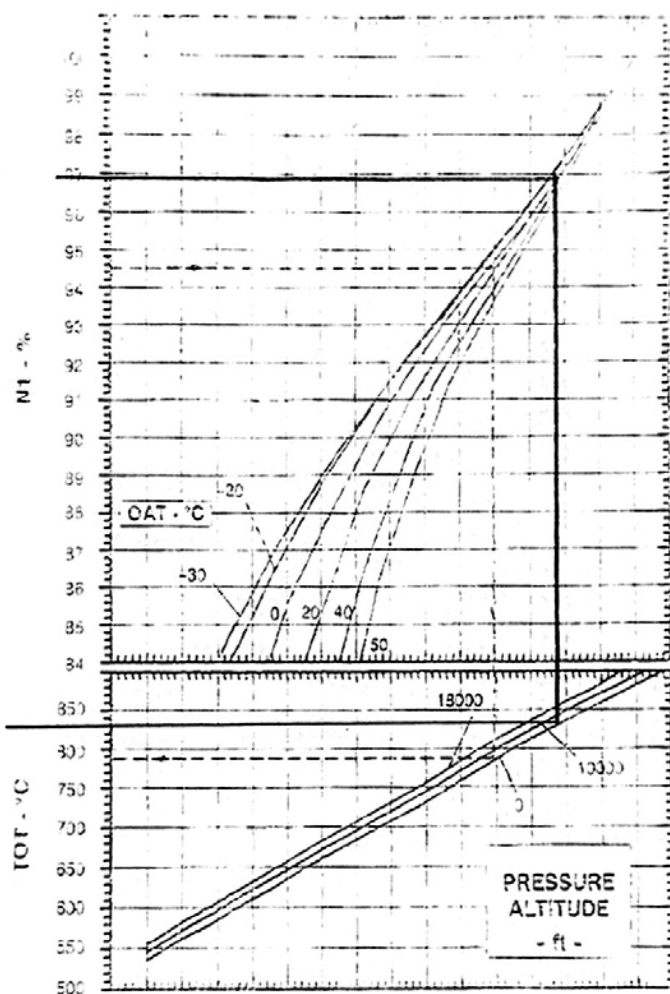
Max TOT: 840

Fig. 5-0 N₁ TOT Check



N₁ TOT CHECK
SUPER CHECK APRIL 2 20

8. SEC AIR TO SUPERCHARGER - ON
GENERATOR - OFF



#2 Eng.

N₁: 96.9
OAT: 31.4°C
Press. Alt.: 0 Feet

Max TOT: 830

Fig. 5-2 N₁ TOT Check