KAAN AIR

KAAN AIR
MAINTENANCE PROGRAMME

KAMOV
KA32A11BC

Issue	**:**	**2**
Revision	**:**	**00**
Date	**:**	**24.10.2023**

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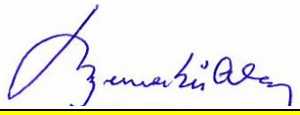
MAINTENANCE PROGRAM MANUAL

ISSUE II

REV. 00

	PREPARED BY	CONTROLED & When Needed; INDIRECT APPROVED BY	FINAL APPROVED BY (On Behalf of Company)
NAME	Ali ÖZUĞUR	Kadir ERDOĞAN	M. Kemal SÜLER
TITLE	Continuing Airworthiness Manager	Quality Manager	Accountable Manager
SIGN			
DATE	24.10.2023	24.10.2023	24.10.2023

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MAINTENANCE PROGRAMME

Chapter – 0

System of Amendment and Revision

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System of Amendment and Revision

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GENERAL

0.1 INTRODUCTION

General Information

Kaan Air KAMOV KA32A11BC Maintenance Program Manual is prepared in the aim of guidance and transmitting information to DGCA, SHT-145 or EASA PART-145 Maintenance Organization and Kaan Air Technical Department about the maintenance requirements of each rotorcraft, duties and responsibilities of the technical staff, work principles and training principles according to SHT-CAM, SHT-145, EASA PART-145 and Manufacturer's Rotorcraft Maintenance Manual requirements.

Kaan Air Maintenance Program Manual is divided in 5 chapters as mentioned below;

Chapter 0 - System of Amendment and Revision

Chapter 0 contains general information, formatting of the pages, system of amendment and revision, revision history, distribution list, effective pages.

Chapter 1 -Definitions and Abbreviations

Chapter 1 contains definitions and abbreviations.

Chapter 2 - General

Chapter 2 contains Continuing Airworthiness Manager Maintenance Programme Statement and general information regarding to the rotorcraft fleet and the organization.

Chapter 3 - Maintenance Program

Chapter 3 contains Maintenance Procedures and Airworthiness Limitations.

Chapter 4- Scheduled Inspections Tasks

Chapter 4 contains Schedule Unscheduled Checks, Inspections, and Tasks.

0.2 FORMATTING OF THE PAGES

The programme/manual name and chapter number are placed in the middle section of the header.
Revision number and date appear on the top right side of header.
Company Logo with name is on top left side of the page header.
The page number order is in the middle of the footer section is section number, section page number and total pages number.

0.3 SYSTEM OF AMENDMENT AND REVISION

The Continuing Airworthiness Manager is responsible from Kaan Air Maintenance Program, for its contents, amendments, and revisions and for keeping the instructions and information up to date. He/She shall supply the Turkish DGCA with intended amendments and revisions in advance of the effective date.
In principle the amendments are done according to the changes within the company procedures, Manufacturer's MSM and the legislation changes of TR DGCA, EASA and ICAO.
Possible amendment and revision reasons for Aircraft Maintenance Program are:

- Revision of the Manufacturer's Aircraft and Engine Maintenance Manual on which the program is based.
- Temporary Revision of the Manufacturer's Aircraft and Engine Maintenance Manual on which the program is based.
- Change in the aircraft configuration due to modification, etc.
- Changes based on operational experiences.
- Changes based on defect reports from the SHT-145 or Part-145 Maintenance Organization.
- Changes based on the periodic review of the program.

Changes are identified by highlighting the text. If the change is made for adding new pages (pagination), the 'rev no', 'page no' and 'rev date' are highlight in header and footer section of the page to indicate the changes.
The validity of the amendments is maintained when receiving the approval of the revision from DGCA. After this approval the revision is to be entered to the Revision Page of the Maintenance Program.

0.3.1 Maintenance Programme Indirect Approval

Initial Maintenance Programme approval is be done only by TR DGCA.
Kaan Air could approve Maintenance Programme amendments through indirect approval procedure by **Quality Manager. I**ndirect approval procedure could be applied only if maintenance programme for the type of aircraft is already approved. Maintenance programme could be indirectly approved in the following cases, when:

- A new aircraft S/N (registration) is added or removed to approved maintenance programme,
- A change in maintenance instructions is promulgated by the type certificate holder, supplemented type certificate holder or TR DGCA and are directly reflected in Maintenance programme,
- Additional maintenance tasks derived from modifications and repairs are incorporated into approved maintenance programme,
- When a period frequency is reduced to less than the approved MP allows.

Revised maintenance programme shall be notified to the e-mail address; shy-m@shgm.gov.tr (TR DGCA's SHT-CAM branch) in 10 (ten) days after approval.

0.4 RECORD OF REVISIONS (RoR)

Each revision must be completed by an authorized person at the date of issue of revision and signed.

ISS. NO.	REV. NO.	REVISION DATE	REASON FOR	THE CHANGE ENTERED BY	INDIRECT APPROVAL
1	00...04	07.01.2019 05.05.2021	Previous Issue / Revisions	A. ÖZUĞUR	SHGM
2	00	24.10.2023	- Complete reissue due to set with SHT-CAM M.A.302 (h); Airframe MSM Change	A. ÖZUĞUR	(YES √) K. ERDOĞAN Quality Manager

Keep this page until new issue of the maintenance program is published.

0.5 RECORD OF TEMPORARY REVISIONS (RoTR)

Each revision must be completed by an authorized person at the date of issue of revision and signed.

ISS. NO.	REV. NO.	REVISION DATE	REASON FOR	THE CHANGE ENTERED BY SIGNATURE

Keep this page until new issue of the maintenance program is published.

0.6 DISTRIBUTION LIST

Maintenance Programme (MP) is distributed to the following Organizations, Departments and Personnel as mentioned below table.

JOB TITLE	PUBLICATION CONT. NO
Turkish DGCA	E-COPY
Continuing Airworthiness Manager	COPY NO. 1
Accountable Manager	E-COPY (common)
Quality Manager	E-COPY (common)

The Continuing Airworthiness Manager is responsible of distributing MPM and keeping the distribution list up to date.

0.7 CONTACT ADDRESSES

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kadir.erdogan@kaanair.com

0.8 LIST OF EFFECTIVE PAGES

Page Nr.	Rev. Nr	Date	Page Nr.	Rev. Nr	Date
Cover Page	00	24.10.2023	III	00	24.10.2023
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Chapter 0 System of Amendment and Revision

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0.9 LIST OF REFERENCE DOCUMENTS

ITEM	DOCUMENT	REV. NO	REV. DATE	ISSUED BY
1	JSC KAMOV Master Servicing Manual KA32A11BC-MSM-000	10-11	24-07-2023	JSC KAMOV Joint Stock Company Russian Helicopters
2	JSC KLIMOV JSC MOTOR SICH Maintenance Manual 078.00.5800-04 РЭ BOOK 3	02	25.11.2009	JSC KLIMOV JSC MOTOR SICH
3	JSC KLIMOV JSC MOTOR SICH Maintenance Manual 078.00.5800-04 РЭ BOOK 3 **(Temporary Rev)**	K78-073	20.07.2018	JSC KLIMOV JSC MOTOR SICH
4	JSC MOTOR SICH Maintenance Manual АИ-9	Н9-64БЭАБ	20.08.1998	JSC MOTOR SICH
5	Sürekli Uçuşa Elverişlilik Yönetimi Talimatı (SHT-CAM)	01	08.03.2023	TR DGCA
6	Continuing Airworthiness Management Exposition (CAME)	24	24.10.2023	KAAN AIR

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MAINTENANCE PROGRAMME

Chapter – 1

Definitions and Abbreviations

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CHAPTER-1
Definitions and abbreviations

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1. DEFINITIONS AND ABBREVIATIONS

1.1 Terms and Definitions

Aircraft: Every kind of air vehicles that can fly and have cruise capability.

Aircraft component: Any component part of an aircraft up to and including a complete power plant and/or any operational/emergency equipment.

Aircraft Avionics: All electronic devices covering the radio, automatic flight controls and instrument systems.

Airworthiness Data: Any information necessary to ensure that the aircraft or aircraft component can be maintained in a condition such that airworthiness of the aircraft, or serviceability of operational and emergency equipment as appropriate, is assured.

Calendar Times: Day (DY): A period of 24 consecutive hours.

Month(s) (MO): A period of 30 consecutive days.

Year(s) (YR): A period of 12 consecutive months.

Warning: Calls attention to use of materials, processes, methods, procedures, or limits which must be followed precisely to avoid injury or death to persons.

Caution: Calls attention to methods and procedures which must be followed to avoid damage to equipment.

Damage: Physical deterioration of a component

Detailed Inspection (DI) An intensive visual examination of a specific structural area, system, installation, or assembly to detect obvious damage, failure, or irregularity. Available lighting is normally supplemented with a direct source of good lighting at intensity deemed appropriate by the inspector. Inspection aids such as mirrors, magnifying lenses, etc. may be used. Surface cleaning and elaborate access procedures may be required.

Discard (DS)

Note Unless specifically stated otherwise, the tasks identified in this document can be performed without removing the subject assembly/component.

The removal from service of an item at a specified life limit. Discard tasks are normally applied to parts such as cartridges, canisters, cylinders, engine disks, etc.

Functional Check (FC) A quantitative check to determine if one or more functions of an item perform within specified limits.

Flight Time: The total time from the moment an aircraft first moves for the purpose of taking off until the moment it finally comes to rest at the end of the flight.

Functional Test: A “Functional Check” is a detailed examination in which a complete system, subsystem or component is checked to determine if specific operating parameters are within the limits of movement, rate of flow, temperature, pressure, revolutions per minute, degrees of travel, etc., as prescribed in the manufacturer/vendors Maintenance Manual.

General Visual Inspection (GVI) A visual examination of an interior or exterior area, installation, or assembly to detect obvious damage, failure, or irregularity. This level of inspection is made from within touching distance, unless otherwise specified. A mirror may be necessary to ensure visual access to all surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting, flashlight or droplight and may require removal or opening of access panel or doors. Stands, ladders, or platforms may be required to gain proximity to the area being checked.

Interval: The period expressed in Letter code, cycles, hours and/or calendar time, between successive accomplishments of a specific task.

Landing: An aircraft touching the runway and coming to a complete stop or performing a “touch and go”

Lubrication and Servicing (LU/SV) Any acts of lubricating or servicing for the purpose of maintaining inherent design capabilities.

Maintenance Task: An action or set of actions required to achieve a desired outcome which restores an item (area, component, system, subsystem, structure) or maintains an item in serviceable condition, including inspection and determination of condition.

Modification: The alteration of an aircraft/aircraft component in conformity with an approved standard.

NDT Inspection: Nondestructive inspection procedure, e.g., eddy current, ultrasonic.

Note: Calls attention to methods which will make the job easier.

Operational Check (OC) An operational check is a task to determine that an item is fulfilling its intended purpose. Does not require quantitative tolerances. This is a failure finding task.

Overhaul (OVHL) Overhaul activities are all the activities specified in the dedicated manuals issued by the manufacturer that involve partial or total disassembly of an equipment/assembly with the purpose of reconditioning, replacing and/or testing the internal components, at the intervals specified by the manufacturer.

Pre-flight inspection: The inspection carried out before flight to ensure that the aircraft is fit for the intended flight. It does not include defect rectification.

Repair: The restoration of an aircraft/aircraft component to a serviceable condition in conformity with an approved standard.

Restoration: That work necessary (ON/OFF aircraft) to return an item to a specific standard.

Restoration may vary from cleaning or replacement of single parts up to a complete overhaul.

Service: The term “Service” implies that a component or system should be checked and serviced with fuel, oil, grease, water, oxygen, etc., to a level or condition specified by the applicable manufacturer, vendor and/or airline. “Service” may also be used to indicate that filter cleaning or replacement is recommended.

Special Detailed Inspection (SDI) An intensive examination of a specific item(s), installation, or assembly to detect damage, failure, or irregularity. The examination is likely to make extensive use of specialized inspection techniques and/or equipment. Intricate cleaning and substantial access or disassembly may be required.

Visual Check (VC) A visual check is an observation to determine that an item is fulfilling its intended purpose. Does not require quantitative tolerances. This is a failure finding task.

1.2 Abbreviations

AD	Airworthiness Directive
APU	Auxiliary Power Unit
A/C	Aircraft
EASA	European Aviation Safety Agency
EMPM	Engine Maintenance Planning Manual
FLT HRS	Flight hours
CDCCL	Critical Design Configuration Control Limitations
CAA	Civil Aviation Authority
CMM	Component Maintenance Manual
DGCA	Directorate General Civil Aviation
MEL	Minimum Equipment List
MFR	Manufacturer
MME	Maintenance Management Exposition
MSM	**Master Servicing Manual**
MP	**Maintenance Programme**
NO.	Number
P/N	Part number
RFM	Rotorcraft Flight Manual
FLT HRS	Flight hours
SB	Service Bulletin
SMC	Scheduled Maintenance Check
SHT-CAM	Civil Aviation Regulation
SLFO	Service Life First Overhaul
SLL	Service Life Limit
S/N	Serial Number
TBO	Time Between Overhaul
TGB	Tail Gear Box
TRH	Tail Rotor Hub
TSI	Time Since Installation
TSM	Time Since Manufacture
VC	Visual Check
VLV	Inspection associated with the flights of the day
WC	Work Card
W&B	Weight & Balance

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MAINTENANCE PROGRAMME

Chapter – 2

General

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Chapter-2
General

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2.1 STATEMENT BY THE CONTINUING AIRWORTHINESS MANAGER

This Maintenance Programme has been prepared to meet the requirements of EASA PART-M and SHT/CAM of the TR DGCA. The recommendations made by the airframe constructors, engine and equipment manufacturers have been evaluated and where appropriate, have been incorporated.

This Maintenance Programme is approved by undersigned and must be complied with, as applicable, **to the effect that the specified aircrafts will be maintained to the programme and that the programme will be reviewed and updated as required.**

This Maintenance Programme lists the tasks and identifies intervals and procedures, which form the basis for the scheduled maintenance of the aircrafts listed in the title page. Kaan Air undertakes to ensure that these aircrafts will continue to be maintained in accordance with this program which is prepared according to KA32A11BC MSM (Master Servicing Manual), KLIMOV MOTOR SICH Maintenance Manual and EASA Approved Aircraft Flight Manual with the latest revision.

It is accepted that this programme does not prevent the necessity for complying with any new or amended regulation published by the TR DGCA from time to time where these new or amended regulations may override elements of this programme. It is understood that compliance with this programme does not release Kaan Air from the need to ensure that the programme reflects the maintenance needs of aircraft, such that continuing safe operation can be assured.

It is further understood that the TR DGCA reserves the right to suspend, vary or cancel approval of Maintenance Programme if there is any evidence that requirements of the programme are not followed, or standards not upheld.

Ali OZUGUR
Continuing Airworthiness
Manager

2.2 GENERAL INFORMATION

2.2.1 Operator Name And Address

KAAN AIR SANAYİ VE TİCARET A.Ş (KAAN AIR)
Ayazağa Mahallesi 208. Sokak No:1
Sarıyer/İSTANBUL 34396 TURKEY
Phone: +90 532 111 99 93
Fax: +90 216 425 1702

2.2.2 Brief Description of the Organization

Kaan Air detailed organization is explained in Continuing Airworthiness Management Exposition (CAME) Section 0.2.1

2.2.3 Fleet

Kaan Air KAMOV KA32A11BC fleet composition is as follows:

A/C MANUFACTURER	MODEL	REGISTRATION	SERIAL NUMBERS	ENGINE MANUFTURER	ENGINES MODEL	ENGINES S/N	APU MANUFTURER	APU MODEL	APU S/N
KAMOV	Ka-32A11BC	TC HLE	52332401 **9819**	Motor Sich JSC	TV3-117VMA	387789110 **2006** 387789400 **2029**	Motor Sich JSC	AI-9 (АИ-9)	H91040032
		TC HLF	52332429 **9829**			387789110 **2007** 387789400 **2032**			H91040031
		TC HLG	52332429 **9834**			387789110 **2001** 387789300 **2006**			H91040026

2.2.4 Anticipated Annual Utilization

These helicopters are operated for Air Taxi operation and no scheduled flight program is available. For this reason, annual utilization may vary, and estimated utilization based on previous experiences. Maintenance tasks and selected program will be reviewed to make necessary adjustments, if annual utilization increases by more than 25% from that anticipated.

Anticipated Annual Utilization is 300 Flight Hours.

2.2.5 Fuel

Kaan Air uses fuel types defined and approved in the relevant sections of EMM 072.00.00 and AMM Section 12-00-00

2.2.6 Type of Operation

Kaan Air does Air Taxi accordance with conditions explained in its AOC.

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MAINTENANCE PROGRAMME

Chapter – 3

Maintenance Procedures and Airworthiness Limitations

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CHAPTER-3
MAINTENANCE PROGRAMME

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3. MAINTENANCE PROCEDURES AND AIRWORTHINESS LIMITATIONS

3.1 Program Basis

This Maintenance Programme meets the requirements of SHT-CAM and the requirement of the Turkish DGCA, EU Continuous Airworthiness regulation Annex-I (Part-M) and includes the evaluation of recommendations made by airframe, engine, and component manufacturers.

Scheduled inspections include airframe, engine, APU and component inspections. The scheduled airframe inspection intervals are based on the airframe operating time. The scheduled component inspection intervals are based on the component operating time. The basis of Maintenance Program is Kamov Helicopter Ka-32A11BC and Klimov Scientific and Industrial Enterprise Engine and EPU Technical Publications.

3.2 Permissible Maintenance Interval Tolerances

To allow an acceptable level of flexibility in the maintenance planning and to compensate for unpredictable situations (e.g., unforeseen increase in the helicopter utilization rate), a set of permitted variations associated to task intervals can be utilized. A variation can be applied only when the minimum inspection interval prescribed by MSM Ch.05 cannot be complied with due to circumstances which could not reasonably have been foreseen by the Operator or by its contracted Maintenance Organization. In any case all permitted variations are not cumulative and cannot be assumed as maintenance planning tool.

Kaan Air may only increase the periods wrote out by the programme with the approval of TR DGCA. The periods wrote out by this specification may be varied subject to conditions and limitations as follows:

Variations shall be permitted only when the periods wrote out by this schedule (or documents in support of this schedule) cannot be complied with, due to circumstances which would not reasonably have been foreseen by Kaan Air.

The decision to extension of the wrote out periods in the MPMs shall be taken only by the Quality Manager and Continuing Airworthiness Manager or Aircraft's Owner, **without exceeding the extension limits specified in the SHT-BPU, according to SHT-BPU**. If Kaan Air have to use exceeding tolerance of maintenance inspection and O/H life of parts, Kaan Air will give information with explanations to the Turkish DGCA within 72 hours.

	Maintenance Interval	**Extended Tolerances**
1	5000 flying hours or less	10% of prescribed period
2	More than 5000 flying hours	500 flying hours
3	1 years or less	10% or 1 month, whichever is the lesser
4	More than 1 year but less than 3	2 months
5	More than 3 years	3 months
6	500 landings / cycles or less	5% or 25 cycles whichever is the lesser
7	More than 500 landings / cycles	5% or 200 cycles whichever is the lesser

For items controlled by more than 1 limit, i.e., items controlled by flying hours and calendar time, all limits shall be considered. The task shall be performed when the most restrictive one is reached. Such as flight hours and calendar time or the parts controlled by the flight hours and cycle.

Unless otherwise specified, permitted variations DO NOT apply to:

— Airworthiness Directive
— National Requirements
— Life limited part (Discard; Retirement and O/H) intervals specified by a manufacturer or identified in aircraft or engine Type Certification Data Sheets,
— Airworthiness Limitations, including CMRs and MIs.
— Those periods included in this maintenance program which have been classified as mandatory by TR DGCA.

3.3 Reliability Program

KA32A11BC Maintenance Program and JSC KA32A11BC Master Servicing Manual meet the requirements which are located in SHT-CAM, Appendix I to AMC M.A.302 and AMC M.B.301(b), Section 6, Paragraph 6.1.2. (a) & (c). Therefore, reliability program is not necessary.

3.4 Periodic Review Of Maintenance Program Contents

Maintenance Programme will be reviewed after each revision effective for KA32A11BC configuration issued on MSM and other airworthiness documents by aircraft and engine/ aircraft and engine manufacturers/authority and program will be amended accordingly.

No amendment will be issued for one time inspection / modification required by manufacturer recommendation, AD and SB applications; program will be revised if recurring application is required.

Maintenance Programme will be reviewed and if requires revised without obligation for following reasons,

– any change on Aircraft / Aircraft Component Manufacturer recommendations
– any change on Engine / Engine Component Manufacturer recommendations
– request by Authority (Turkish DGCA, EASA, Russian Aviation Authority)
– addition or deletion on Fleet composition
– anticipated utilization varies more than 25%
– after Major modification or alteration on aircraft/aircraft components.

In KA32A11BC Master Servicing Manual and TB3-117BMA series 02 Operating and Maintenance Manual Chapter 05 all inspections and servicing requirement which must be performed with list in chart format. This chapter provides a complete listing of all airframes, engine, EPU and component inspection items in an order that allows easy access for the information. Also, in this chapter, it is indicated the applicable inspection program currently containing the inspection item.

3.5 AIRFRAME MAINTENANCE MANUAL

Except for Emergency conditions, According to Russian Helicopter Company documentation work principals "All Maintenance Manuals, AD's, SB's and other Documents of helicopter model Ka-32A11BC" which **will be prepared as a hard copy and delivered to** Kaan Havacılık **twice a year.**

3.6 ENGINE, APU PUBLICATIONS

Except for Emergency conditions, According to Russian Helicopter Company documentation work principals "All Maintenance Manuals, AD's, SB's and other Documents of engine model TV3-117VMA" which **will be prepared as a hard copy and delivered to** Kaan Havacılık **twice a year.**

3.7 AIRWORTHINESS DIRECTIVES AND MANUFACTURER'S SERVICE INFORMATION

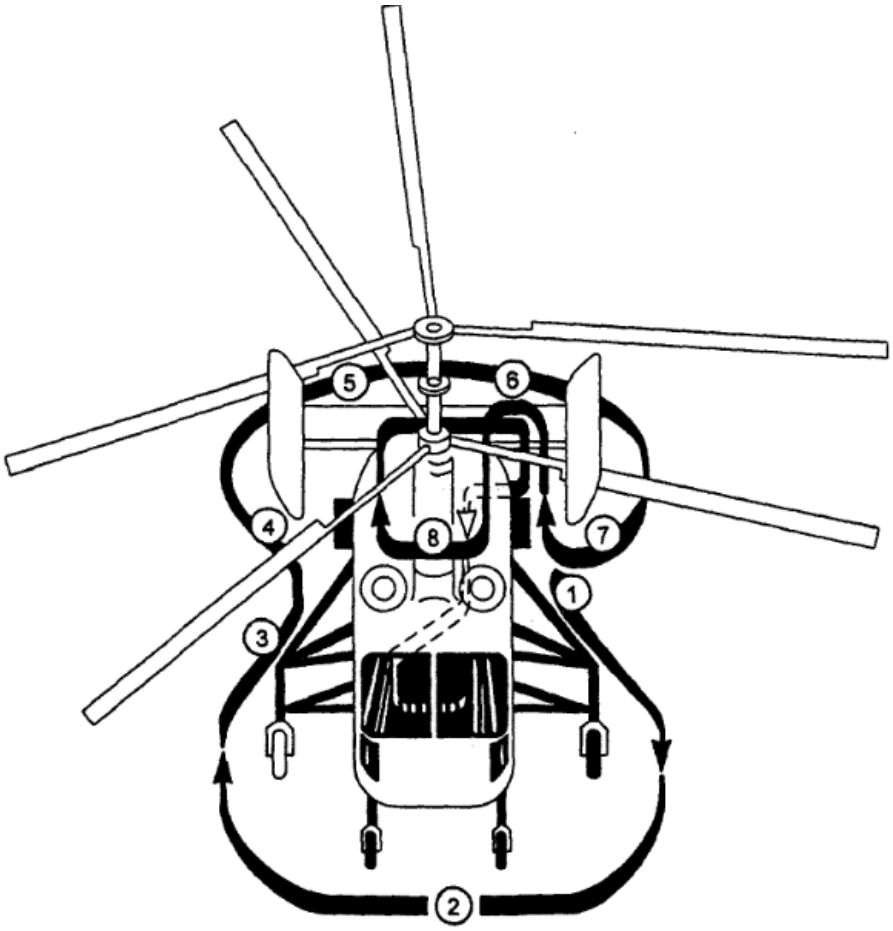
- Compliance with the mandatory requirements of the Type Certification Holder such as Airworthiness Directives must be achieved unless the requirement is varied by the Turkish DGCA.
- Data arising from aircraft, engine, or component manufacturers in the form of service bulletins, service letters, etc. resulting from In-Service experience are non-mandatory.
- Continuing Airworthiness and other Service Information are continuously evaluated by Kaan Havacılık and where necessary, appropriate action is taken to amend the MP, within the terms of the approved amendment system.
- Our Company conducts all AD and SB follow ups using by:
  a. Being published as a Hard Copy by "Kamov Helicopter & Russian Helicopter Company" and delivered by Post.
  b. Being published as a Hard Copy by "Klimov Scientific Industrial & Russian Helicopter Company" and delivered by Post.
  d. Web pages of TURKISH DGCA, EASA.
  e. Russian CAA via Russian Helicopter Company.

3.8 PRE-FLIGHT, BETWEEN TWO FLIGHTS & AFTER/POST-FLIGHT CHECKS

3.8.1. Preflight Check (First flight of the day & after last flight of the day)

The inspections commence at the nose and continue clockwise around the helicopter. During the inspection, check that there are no leaks from overboard drains, that all vents, air intakes, air outlets and fire access points are clear of obstructions, and all access panels and antennas are secure. All oil and hydraulic level are at correct check line. (See for check sequence figure 2- I). After last flight of the day) The pilot/authorized technician or mechanic technician performs walk-around and interior checks, connects the main and tail rotor tie-downs; puts the pitot cover (if they available any of them). and if any fault observed after completing post flight enters it in and signs the technical logbook. The following procedure outlines the pilot/authorized technician or mechanic technician walk-around and interior checks Pilot Checks Helicopter' technical logbook and hold item list presence of any fault after completing pre-flight & Intermediate Checks & post-flight fills in and signs the technical logbook (Refer to the latest issue of the KA32A11BC RFM Section 2 Normal Procedures)

Figure 2-1. Preflight check route



3.8.2 Pre-Flight Inspections

Pre-flight checks are performed according to RFM; MSM 05-20-10 Table 1, Before every flight, the aircraft shall be inspected to ensure that the aircraft is fit for the intended flight**.** This inspection is called pre-flight inspection.

The pre-flight inspections need not necessarily be carried out by maintenance staff. Kaan Havacılık shall ensure the airworthiness of the aircraft and the serviceability of both operation and emergency equipment by the accomplishment of pre-flight inspections.

Pre-flight inspection means the inspection carried out before flight to ensure that the aircraft is fit for the intended flight. If there is no need any defect rectification, pre-flight inspection can be carried out by flight crew or authorized technician or trained mechanic technician.

This shall include but not limited to; A walk around type inspection of the aircraft and its emergency equipment for condition including any obvious sign of wear, damage, or leakage. In addition, the presence of all required emergency equipment shall be established. Control surface and landing gear locks, pitot/static covers, restraint devices and engine covers would be removed.

3.8.3 Intermediate check.

Intermediate check procedures are carried out during intervals between consequent flights. If the between two flights are more than 2 hours. The check procedures are given in MSM 05-20-10 table 2. Intermediate check means the inspection carried out between two flight to ensure that the aircraft is fit for the intended flight. Intermediate check inspection can be also carried out by flight crew or authorized technician or trained mechanic technician.

3.8.4 Post-Flight check.

Post-Flight check procedures are carried out during last flight of the day. The check procedures are given in MPM 05-20-10 table 3. Post-Flight check means the inspection carried out last flight of the day to ensure that the aircraft is fit for the next day intended flight. If there is no need any defect rectification, Post-Flight check inspection can be carried out by flight crew or authorized technician or trained mechanic technician.

3.9 Airworthiness Limitations

A. The present airworthiness limitations schedule is set forth based on fatigue strength of helicopter structural elements in accordance with the requirements of АП-29 (AP-29) § 29.571.

(1) Airworthiness limitations are based on tests, engineering evaluation and operation experience.

B. The following engines are approved to be used on helicopter:

(1) Main engines – two engines
ТВ3-117ВМА (TV3-117VMA) or

ТВ3-117ВМА серии 02 (TV3-117VMA series 02).

(2) Airborne auxiliary engine – one engine АИ-9 (AI-9).

3.10 HELICOPTER AIRFRAME (Life Limited Schedule)

A. Airworthiness limitations for helicopter components shall be provided on the following conditions:

(1) Average number of helicopter landings amounts to 300 landings per 100 flight hours. Calculation is made based on annual estimate.

(2) Average number of external suspension load lifting-releasing cycles amounts to 20 cycles per one-hour flight. Calculation is made based on annual estimate.

(3) In case if actual number of landings and cycles exceeds permissible data – contact the designer to make proper decisions.

B. Engine airworthiness limitations:

(1) Information on airworthiness limitations for main engines is contained in the maintenance manuals for these engines.

(2) Information on airworthiness limitations of airborne auxiliary engine is contained in the Logbook for this engine.

C. Components listed below are subject to mandatory replacement under specified values of operation hours (h) external suspension load lifting and releasing cycles (c.ESL), including landings (l) or under service life values expressed in years that will be achieved first.

(1) During replacement of components, it is necessary to replace their fasteners and materials. In order to install new components, use new (non-used) fastening parts and materials.

Component	Designation or drawing No.	Airworthiness life (hours, cycles)	Note number	Applicability
FUSELAGE	501.0100.0000.000	32.000 Hours 480.000 c. ESL	1	
MAIN ROTOR BLADES				
Upper rotor blades 500yr (500UG)	500.2906.6000.000	3.000 hours	2	
Lower rotor blades 500yr (500UG)	500.2906.7000.000	3.000 hours		
MAIN ROTOR MAST	Д2Б2000-0/Б		3	
Bearing of collective and differential pitch mechanism	38209	1.500 hours		
Lower sliding bearing	26-1000832БТ1	3.000 hours		
Shaft support bearing	26-1000932Л	3.000 hours		
Upper rotor hub	Д2Б2200-0/В			
Vertical stop	Д2Б2210-31/Г	3.000 hours, 22.500 c.ESL	4	
Lead-lag pin	Д2Б2120-31/Г	20.000 hours		
Lower rotor hub	Д2Б2100-0/В			
Vertical stop	Д2Б2110-31/Г	3.000 hours, 22.500 c.ESL	4	
Lead-lag pin	Д2Б2120-31/Г	20.000 hours		
Upper sliding bar bell crank	Д2Б -31/Б	6.000 hours		
Lower sliding bar bell crank	Д2Б2010-31/Б	6.000 hours		
MAIN GEARBOX	076.50.0000		5	
Upper rotor shaft	076.11.5103	2.000 hours		
INSTALLATION OF MAIN GEAR BOX	500.6460.0000.000			
Brace strut	500.6460.0080.001	37.650 hours		
Brace strut	500.6460.0080.002	37.650 hours		
Brace strut	500.6460.5080.001	37.650 hours		
Brace strut	500.6460.5080.002	37.650 hours		
LANDING GEAR				
Right main undercarriage fork	500.4103.0060.001	8.000 landings		
Left main undercarriage fork	500.4103.0060.002	8.000 landings		
HELICOPTER CONTROL SYSTEM				
Helicopter control rod 50W (5OSH)	500.5030.0160.000	8.000 hours		

1.) When the helicopter operates with a load on external suspension, operating time of component (T) is calculated by a below formula: T = k * TEsi-, where TEsi- - helicopter operation time with a load on external suspension; k - factor, taking into account additional loading of structure with operating with a load on external suspension. This factor depends on average number of loads lifting and release cycles per one flight hour:

Average number of loads lifting and release cycles per one flight hour:	**k**		
Less than 5	1.03		
From 5 to 15 inclusive	1.15		
More than 15	1.30		

Example: Helicopter operating time with external load suspension amounted to TEsl = 3 hours, in this case N = 20 load lifting and releasing cycles.

Average number of load lifting and releasing cycles per one flight hour for the given period amounts to N / TEsl = 20 / 3 = 6.67 cycles. A corresponding value of factor k = 1.15. Operating time of a component for the given period amounts to T = k * TEsl = 1.15 * 3 = 3.45 h.

2.) Only blades with serial numbers from 3446 to 3624 inclusive, from 3658 to 3742, from 3786 and subs are allowed to be operated.

3.) Admitted to operation are only those units of the rotor mast whose Certificates have the entry: "Double locking is provided".

4.) Load lifting and releasing cycles from external load suspension (c.ESL) are accounted for during helicopter operation with Repetitive Heavy Lift (operations with lifting of external cargo including logging).

5.) After the gearbox has 1000 hours, it is subject to overhaul.

Fixed equipment, ready component articles and certificated units except for those specified in item, Tables 4,5 and 4,6 are operated on condition (up to a failure or pre-failure condition).

Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.

3.11 Overhaul Time

Component	Designation or drawing No.	Overhaul time (hours / calendar)	Note number
MAIN GEARBOX	076.50.0000	1.000 hours / 8 years	1, 2
HELICOPTER CONTROL	323.5000.0000.000		
Longitudinal control assembly	500.5030.0230.000	8.000 hours	
Lateral control assembly	500.5030.0290.000	8.000 hours	
Servo system	PC-60F (RS-60F)	4.500 hours / 10 years	
LANDING GEAR			
Struts	500.4103.0000.001 (002)	8.000 landings	
Struts	500.4103.0000.003 (004)	8.000 landings	
Fork	500.4103.5060.001 (002)	8.000 landings	
Nose landing gear shock strut (right)	330.4201-0	8.000 landings / 20 years	
Nose landing gear shock strut (left)	330.4201-0-01	8.000 landings / 20 years	
Main landing gear shock absorber (right)	330.4101-0	8.000 landings / 20 years	
Main landing gear shock absorber (left)	330.4101-0-01	8.000 landings / 20 years	
AUXILIARY POWER UNIT	АИ-9 (AI-9)	6.000 start / 6000 bleeds	3
AC GENERATOR	ГТ40ПЧ8Б (GT40PCH8B)	4.000 hours / 20 years	
SMALL-SIZE VERTICAL GYRO	МГВ-1СУ8 (MGV-1SU8)	4.000 hours / 20 years	
HYDRUALIC PUMP	НП92А-5 (NP92A-5)	1.500 hours / 15 years	4
NOTES:			
1.) Time to 1 overhaul (TP1 / Tci): 1,000 h / 13 years.			
2.) Admission for operation over 500 h (from the beginning of operation or performance of overhaul) is performed in stages by 250 h based on technical condition evaluation as per Task card 63-20-00 Inspection/check, item 3.			
3.) According to data card of Certificate type No. CT 102-Bfl (ST 102-VD).			
4.) Time to 1st overhaul (TP1 / TC1): 3,000 h / 15 years.			
Fixed equipment, ready component articles and certificated units except for those specified in item, Tables 4,5 and 4,6 are operated on condition (up to a failure or pre-failure condition).			
Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.			

3.12 Time Limit

Component	Designation or drawing No.	Time limit (hours / calendar)	Note number
HELICOPTER		32.000 hours / 45 years	1
Onboard electricity network cords and communication equipment		-/35 Years	1,8
MAIN ROTOR BLADES			
Upper main rotor blades 50oyr (500UG)	500.2906.6000.000	20 years	
Upper main rotor blades 500yrM (500UGM)	500.2906.8000.000	20 years	
Lower main rotor blades 50oyr (500UG)	500.2906.7000.000	20 years	
MAIN GEARBOX	076.50.0000	3000 hours	
Gearbox installation	500.6460.0000.000	16,000 hours	
UPPER MAIN ROTOR HUB	Д2Б2200-0/В	6000 hours	2
Drag hinge bearing	Д2Б2200-80/Г	1200 hours / 12 years	3
Drag hinge bearing	Д2Б2200-80/Е	1200 hours / 12 years	3
Feathering hinge thrust bearings	Д2Б2120-90	1200 hours	
Radial bearing sleeve of flapping hinge	Д2Б2111-02	1200 hours	
Radial bearing bushing of flapping hinge	Д2Б2110-16	1200 hours	
Radial bearing rollers of flapping hinge	4x39.8	1200 hours	
LOWER MAIN ROTOR HUB	Д2Б2100-0/В	6000 hours	2
Drag hinge bearing	Д2Б2100-80/Т	1200 hours / 12 years	
Feathering hinge thrust bearings	Д2Б2120-90	1200 hours	
Radial bearing sleeve of flapping hinge	Д2Б2111-02	1200 hours	
Radial bearing bushing of flapping hinge	Д2Б2110-16	1200 hours	
Radial bearing rollers of flapping hinge	4x39.8	1200 hours	
UPPER SLIDER	Д2Б2010-0	6000 hours	2
LOWER SLIDER	Д2Б2020-0/А	6000 hours	2
Bushes	Д22020-32; -33; -33-01	1200 hours	
UPPER SWASH PLATE	Д2Б2400-0/В, Д2Б2400-0/Г	6000 hours	2
Bearing	7568148Л	3000 hours	
LOWER SWASH PLATE	Д2Б2500-0, Д2Б2500-0/А, Д2Б2500-0/Б	6000 hours	2
Bearing	9568968Л	3000 hours	
COLLECTIVE AND DIFFERENTIAL PITCH MECHANISM	Д2Б2600-0/Б	6000 hours	2
Bearing	38209	1200 hours	
Bearing	6-1000908	3000 hours	
Bearing	5-1000909	3000 hours	
SLIP RING ASSEMBLY	ТСВ36М033 (Т5У36М033)	6000 hours	2, 7
Bearing	1000834Л	3000 hours	
Bearing	1000844Д	3,000 hours	
LONGITUDINAL CONTROL ASSEMBLY	500.5030.0230.000		
Rod 7nP (7 PR)	500.5030.0150.003	16,000 hours	

LATERAL CONTROL ASSEMBLY	500.5030.0290.000		
Rod 7nO (7PO)	500.5030.0150.005	16,000 hours	
Rod 7ny (7 PU)	500.5030.0150.007	16,000 hours	
AUXILIARY POWER UNIT	АИ-9 (A1-9)	18000 starts 18.000 bleeds	4
SERVO SYSTEM	РС-60Р (P5-60P)	9,000 hours / 25 years	
FAN	500.6320.0000.000		
Rotor wheel	500.6320.0040.000	4,000 hours	
Bearings	5-209-БУТ1 ЕТУ 100/3	4,000 hours	
HYDRUALIC PUMP	НП92А-5 (ЫР-92А-5)	8,000 hours / 30 years	
HYDRAULIC SYSTEM HOSE PIPES			
Hydraulic hose	500.5320.0000.000-12.002	2,000 hours / 10 years	
Hydraulic hose	500.5320.0000.000-22.002	2,000 hours / 10 years	
Hydraulic hose	324.5330.1000.000-12.005	4,000 hours / 10 years	
Hydraulic hose	324.5330.1000.000-22.005	4,000 hours / 10 years	
Hydraulic hoses	A11, excep1 500.5320.0000.000-12.002, -22.002, 324.5330.1000.000-12.005, -22.005	14 years	
LANDING GEAR			
Struts	500.4103.0000.001 (002)	16,000 landings	
Struts	500.4103.0000.003 (004)	16,000 landings	
Fork	500.4103.5060.001 (002)	16,000 landings	
Hose landing gear shock strut (right)	330.4201-0	16,000 landings	
Hose landing gear shock strut (left)	330.4201-0-01	16,000 landings	
Main landing gear shock strut (right)	330.4101-0	16,000 landings	
Main landing gear shock strut (left)	330.4101-0-01	16,000 landings	
EXTERNAL LOAD SLING	32.396.000.180.000		
Lug	500.9600.3180.000	2,000 hours/30000 load cycles	5
Upper walking beam	323.9600.3320.000	2,000 hours/30000 load cycles	5
Walking Beam	323.9600.3302.000	2,000 hours/30000 load cycles	5
Axis	500.9600.0013.000	2,000 hours/30000 load cycles	5
Rod	323.9600.9590.000	5.000 hours/80000 load cycles	5
Rod	323.9600.3310.000	5.000 hours/80000 load cycles	5
Rod	324.04.9600.9590.000	5.000 hours/80000 load cycles	5
Stanchion eye cap	500.9600.5061.000	5.000 hours/80000 load cycles	5
Adapter	323.9600.9680.000	5.000 hours/80000 load cycles	5
Bolt	500.9600.3304.003	5.000 hours/80000 load cycles	5
Lock	ДГ-65 (DG-65)	From the passport	
Detectors	ДПТ (DPT) Type	From the passport	
Traction dynamometer	ИТ-6000 (IT-6000)	From the passport	

ENGINE CONTROL SYSTEM			
LH engine control cable	500.5930.0750.011	4,000 hours	
RH engine control cable	500.5930.0750.012	4,000 hours	
FIRE EXTINGUISHER	1-3-3 ОСТ 100591-77 (1-3-3 ОЗТ 100591-77) 1-3-3МК Хладон 114В2 АПС 6600-6300ТУ	30,000 hours / 25 years or 30 actuations	6
FIRE EXTINGUISHER	2-20-1 ОСТ 100591-77 (2-20-1 ОЗТ 100591-77)	30,000 hours / 25 years or 30 actuations	6

NOTES:
1.) Provided that the technical condition inspections are. Inspections are carried out beginning from the operation time 16,000 +200 h or service time 12 years from the date of manufacturing and further each 2,000 +250 h or each 2 years (whichever comes first).
2.) Provided that the designer performs overhaul or scheduled works (any other service center authorized by the designer or "yMnO") in each 1,000+200 hours but not less than each 8 years. It Is planned to prolong the overhaul period up to 12 years by the decision or the developer. Prolongation to be carried out in stages of 1 year with an Inspection of the technical condition.
3.) When the helicopter is engaged in logging operations, operation time of a component is calculated as follows: each hour of such an operation is made equivalent to two hours of operation under normal conditions.
4.) According to data card of Certificate type No CT 102-вд (ST102-VD)
5.) Operation under load is indicated.
6.) When the helicopter is operated in tropical conditions, operation time of a component is calculated as follows: each year of such an operation is made equivalent to three years of operation under normal conditions
7.) Provided that the Bulletin No:98-01-БУ-Г is performed on the slip ring assemblies ТСВ36М033 (TSV36M033) produced before 01.11.90.
8.) Starting from manufacturing N2 9620, for the exception of onboard electricity network cord of helicopters were manufactured after 01.01.2011 r. Fixed operability term for these cords is 15 years. Cord and onboard electricity network equipment replacement is performed by manufacturer sub department according to manufacturer documentation on agreed basis
Fixed equipment, ready component articles and certificated units except for those specified in item, Tables 4,5 and 4,6 are operated on condition (up to a failure or pre-failure condition).
Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.

3.13 Engine Airworthiness Limitations

Airworthiness Limitations include the service life and calendar time values of the engine in general and its components and accessories:

- to first overhaul (SLFO and CTFO)
- between overhauls (SLBO and CTBO)
- limit (SLL and CTL)

The engine maintenance Schedule (MS) indicates the maintenance periods for the engine in general and its components and accessories in order to ensure the airworthiness during operation and storage within the service lives and calendar times.

The MS lists schedule and unscheduled maintenance operations.

The Schedule Maintenance (SM) includes line maintenance, scheduled operations, calendar maintenance, storage scheduled maintenance.

Unscheduled Maintenance (UM) includes maintenance operations to be performed in case of emergency during the operation and in case of abnormal engine operation or any signs of such operation.

The Maintenance Schedule (SM) was incorporated in the airframe inspection checklists.

The Engine SL includes the time of the whole (100%) engine in-flight operation and 20% of its ground operation. In any case the total time of the engine operation and the time of its operation at take-off rating is counted.

For example:

Flight operation time- 2 h 05 min

Ground operation time before and after the flight- 30 Min. Total operation time:

2 h 05 min +20 % OT 30 min = 2 h 11 min.

The time of the engine operation at different ratings for the SL period and the number of times when the ratings were accomplished shall not exceed the values indicated in Table 3 (Book 3 Section 072.00.00).

When calculating the engine operation in hours the engine rating definitions indicated in 4.2 (Book 3 Section 072.00.00) shall be taken into account.

Time of operation at 2.5 min power with OEI is counted by caution lights: CP (ЧР) (2.5 min power with OEI).

When calculating engine life in operation cycles, one cycles of engine operation should be understood as one flight from the moment of engine start to helicopter landing with shutdown of the engine, irrespective of engine power conditions during the flight and during of a flight.

It is necessary to multiply the operating time in cycles by factor 1.2 for engines installed on the helicopters operated with external sling at conditions of multiply repeated lifts of heavy loads.

Note - By multiply repeated lifts of heavy loads we mean a lift of any load with the external sling of the helicopter at a rate of more than 4 times per hours At the end of day's flying total operating time (in cycles) should be calculated based on the number of flights.

Life of the engine is considered expired in case of expiry of life in hours or cycles (whichever comes first).

Fixed equipment, ready component articles and certificated units except for those specified in item, Tables 4,5 and 4,6 are operated on condition (up to a failure or pre-failure condition).

Notes:

The engine on-ground tests are included in the count of cycles.

The values of service lives and calendar times of the engine are presented in the table below.

The engine accessories are operated within the service lives and calendar times established for the engine in general.

SLL (in hours or cycles) is a total operation expressed in hours or cycles or a total calendar time of operation recorded after which the product operation shall be stopped independently of its condition.

The SLFO (in hours/cycles), CTFO (in years) is a total operation expressed in hours or cycles or total calendar time of the product operation and/or storage allowed before the first overhaul.

The SLBO (in hours/cycles), CTBO (in years) is total operation expressed in hours or cycles or total calendar time of the product operation and/or storage allowed between the successive overhauls.

NOTES:

1. SLFO and SLBO are composite parts of SLL,
2. CT is calculated from the moment the engine Logbook issue or overhaul.

Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.

3.13.1 Engine Service Lives and Calendar Times

Engine as a whole and its assemblies

Nos.	Name	Drawing code or No.	To First Overhaul			Between Overhauls			Total (SLL)	
			SLFO		CTFO	SLBO		CTBO		
			Hours	Cycles	Years	Hours	Cycles	Years	Hours	Cycles
1	Engine in general (except main parts per items 2…4)	TB3-117BMA	2000*	2000*	10	1500	1500	10	7500	7500
		TB3-117BMA series 2	2000*	2000*	10	1500	1500	10	7500	7500
Compressor Disks										
2	Drum	0780139140	-	-	-	-	-	-	9500	9500
Turbine Disks										
3	- stage 1 disk	0780410439	-	-	-	-	-	-	7500	7500
	- stage 1 disk	0780410521	-	-	-	-	-	-	7500	7500
	- stage 2 disk	0780419018	-	-	-	-	-	-	7500	7500
	- stage 3 disk	0780420293	-	-	-	-	-	-	8000	8000
	- stage 4 disk	0780429023	-	-	-	-	-	-	8000	8000
Turbine cover disks:										
4	- stage 1 disk	0780419016							5000 **	5000**
	- stage 1 disk	0780410449							5000	5000
	- stage 2 disk	0780410518							2000	2000
	- stage 3 disk	0780410451							2000	2000
	- stage 4 disk	0780410519							2000	2000
	- stage 1 disk	0780410452							2000	2000

NOTES: 1.* * Cover disk of stage 1 (0780419016) manufactured and repaired since 01.07.2005 taking into consideration Change Notice MH 78-30446 1/4 to 4/4, has assigned total service life of 6500 hours/6500 cycles.

2.** Disk of stage I (0780410521) and cover disks of stage 2 (0780410518) and of stage 3 (0780410519) are used only as one set.

3.* Particular values of service lives of the engine (to the first overhaul, time between overhauls and total service life) are given in the engine Logbook in compliance with the Contract.

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MAINTENANCE PROGRAMME

Chapter – 4

Scheduled Unscheduled Maintenance and Tasks

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CHAPTER-4
MAINTENANCE PROGRAMME

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4.SCHEDULED UNSCHEDULED CHECKS, INSPECTIONS AND TASKS

4 .1 Scheduled Maintenance Checks

This chapter describes the scheduled and unscheduled maintenance operations applicable to the KA32A11BC helicopter.

The inspections are presented in typographic form suitable for the local reproduction in such a way as to be used by personnel to perform helicopter inspections and to constitute, if desired, a data collection.

The inspections must be accomplished by qualified personnel to ascertain the airworthiness of the helicopter. Eventual discrepancies must be eliminated before flight.

In case the Airworthiness Checks need to be accomplished, the following will apply:

Pre-Flight Inspections are an inspection that has to be performed by qualified maintenance personnel.

Pre-Flight Inspections do not replace the Rotorcraft Flight Manual requirements list, which must be performed by a pilot.

The next paragraphs report the summary of requirements necessary to accomplish an Airworthiness Check, only in the cases in which it is required by the Authorities.

Unless otherwise specified, the maintenance tasks and intervals identified in this document assume that the helicopter may be operated in an offshore environment where contamination with salt, leading to the increased risk of corrosion, is likely to be experienced. Apart from this potential contaminant, it is assumed that the helicopter is operated in a clean air environment, free from any significant industrial pollutants.

Should the helicopter be operated in a dirty environment, with significant levels of industrial pollutants, additional inspections and maintenance tasks may become necessary.

The intervals of the tasks identified in this chapter are applicable to both a high and low utilization of the helicopter (i.e., they are not dependent upon any particular level of utilization). However, should an individual helicopter be withdrawn from service and placed into storage for an extended period of time, the tasks and intervals contained in this report may need to be modified in light of both the storage conditions which apply and the length of time for which the helicopter is expected to be out of use.

All parts removed because they have reached their limits or as a result of a post-accident/incident inspection during which they are deemed to be not airworthy, shall be permanently marked as scrap or physically destroyed to the extent that there is no chance of repair or installation on another helicopter or component.

Unless specified differently, the time limit is in flight hours (FH). Flight hours (FH) are defined as those hours accumulated from take-off to landing.

Nevertheless, in some cases the time limit is defined in Rotor Hours (RH). Rotor hours (RH) are defined as those hours accumulated from engine number 1 start to engine number 1 shut down.

4.2 CORROSION PREVENTION & CONTROL PROGRAM

Corrosion Control Program is executed by applying the inside tasks listed in inspection program 05- as a reference. Routine maintenance inspections should always include corrosion detection. If you operate the helicopter in high corrosive environments such as long time over sea operations (such as sea platform), industrial pollution, agricultural sprays, corrosion soils, abrasive dust and extreme temperatures. Kaan Air can select the better inspection program that fits their specific operation based on the operative environment. In addition, adjustments are permitted to the suggested schedule based on experience and level of exposure of the helicopter to corrosion effects.

4.3 MAINTENANCE AREAS

A. The helicopter is divided into five maintenance areas:

1. Nose section Mon – fuselage nose section up to frame No. 4 includes crew cabin. Does not include main landing gear struts.

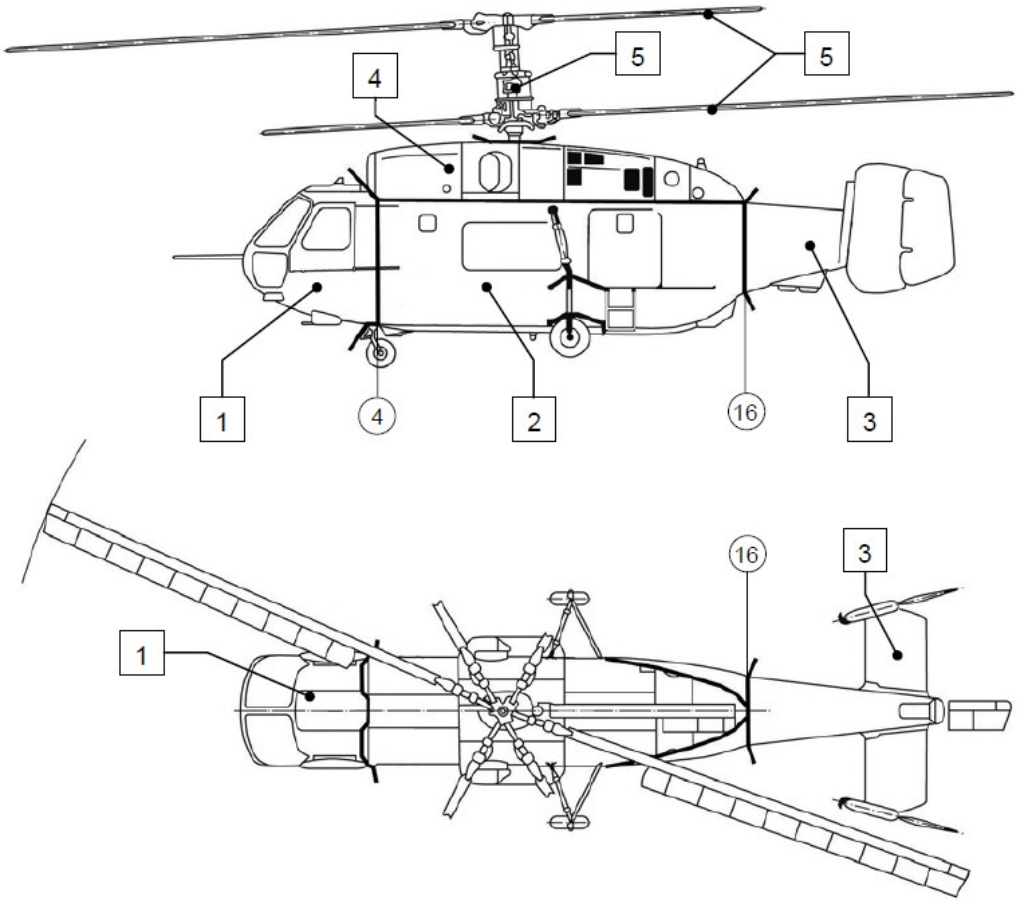
2. Central section – fuselage central section from frame No. 4 to frame No. 16. Includes cargo compartment, cargo cabin, nose and main landing gear struts.

3. Tail section – fuselage tail section from frame No. 16. Includes tail unit.

4. Engine nacelle.

5. Main rotors. Include main rotor mast, upper main rotor blades and lower main rotor blades.

Arrangement of maintenance areas with indication of their numbers in given in following figure.



4.4 KA-32A11BC, ENGINE AND APU MINTENANCE INTERVALS

"*Scheduled, Special / Conditional, Inspections and Lubrications.*"

4.4.1 Periodic maintenance checks "in Hours of Operation"

25-hour inspection *
50-hour inspection
100-hour inspection
300-hour inspection
500-hour inspection
600-hour inspection
1000-hour inspection
1200-hour inspection
1800-hour inspection
2000-hour inspection
3000-hour inspection
4000-hour inspection
8000-hour inspection
8000 hour /10 Year inspection
16000-hour inspection
16000 hour /20 Year inspection

4.4.2 Special Inspections

2 months (60 ± 7) days
3 months
12 months
24 months
100 hours note
750 + 50 hours (Engine)
If wear is 1.8 mm or more, continue to measure it after every 20 takeoffs/landings.
With wear of up to 1 mm 100 hours (operation under high dust conditions) (50 hours)
With wear of from 1 mm to 1.5 mm 50 hours (operation under high dust conditions) (25 hours)
With wear of from 1.5 mm to 2 mm 25 hours (operation under high dust conditions) (10 hours)

4.4.3 Unscheduled maintenance checks

Special inspection
Storage inspection.
Checks to be performed after replacement of main engines and main gearbox.
Seasonal inspection.
Acceptance and functional check usage

4.4.4 Engine “in Hours of Operation”

10 Hours*
25 Hours*
50 Hours
100 Hours
300 Hours
750 Hours
1 Year

* On-condition, 50 hours intervals reduced.

4.4.5 APU “in Hours of Operation”

Each 500 Switching’s (Starts)
Each 200 Hours

INTENTIONALLY LEFT BLANK

4.5 25 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
25FH-01		Inspect and wash air starter filter (APU AI-9)	TB3-117 MM, 080.12.00 No. 203	4	To be done when the helicopter is operated in dusty atmosphere

4.6 50 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
50FH-01		Remove snow, ice and frost from helicopter skin		1-5	
50FH-02		Clean helicopter and restore protective lubricant on parts and assemblies exposed to environmental effect		1-5	
50FH-03		Check operation of cabin heating system elements	21-20-00, Maintenance, item 3	2	
50FH-06		Check if 20НКБН 25 Д У3 batteries have been subjected to periodic scheduled maintenance in due time. Send batteries to charging station if time limits of maintenance and recharging are close to expiration	20НКБН-25-Д-У3 ММ, 24-31-20	2	Performance methods is indicated in the text of this manual
50FH-07		Check operation of instrument-flying blinds	25-10-06, Maintenance, item 2	1	
50FH-07A		Oil the 2Wc20 GOST 3635-78 hinge bearing	25-52-00 Maintenance İtem 2, B (5)	2	External cargo load underweight or every 12 months without weight
50FH-08		Check availability of first aid kit	25-60-00, Maintenance, item 1	2	
50FH-09		Check serviceability of fire warning system electrical circuits	26-11-00, Checking/ Troubleshooting, item 1	1	
50FH-10		Check serviceability of squibs electrical circuits in the fire extinguishing system	26-20-00, Checking/ Troubleshooting, item 1	1	
50FH-11		Check charging pressure and cleanliness of fire extinguishers 1-3-3 activation squibs	26-21-01, Maintenance, item 4	4	
50FH-12		Check places of fuel tanks installation, filler necks and drain valves for freedom from leakage	28-10-00, Maintenance, item 4	2	

50FH-13		Check operation of fuel pumps	28-21-00, Maintenance, item 6	1	
50FH-14		Check condition, attachment, and freedom from leakage of single point fueling connection	28-21-01, Maintenance, item 2	2	
50FH-15		Check operation of fuel shut-off and cross-feed valves	28-22-00, Maintenance, item 2	2	
50FH-16		Check condition of external fuel tanks	28-11-00, Maintenance, item 3	2	
50FH-17		Check silica-gel color in moisture absorbing filter of hydraulic tanks pressurization system	29-25-01, Maintenance, item 1	4	
50FH-18		Check operation of manual pneumatic pump of hydraulic tanks pressurization system	29-25-06, Maintenance, item 2	3	
50FH-19		Check functioning of hydraulic system operated from ground hydraulic power source	29-00-00, Inspection/ Checking, item 5	1	It is allowable to check from the helicopter auxiliary hydraulic system
50FH-20		Check quantity of working fluid in hydraulic tanks	29-00-03, Maintenance, item 2	4	
50FH-21		Check serviceability of electrical circuits of ПВД 6М pitot/static tubes heating elements	30-30-00, Maintenance, item 1	1	
50FH-22		Check visually condition of flight compartment windshield cleaning (sprinkling) system	30-43-00, Maintenance, item 2	1	
50FH-23		Check condition and attachment of wipers and functioning of flight compartment windshield cleaning mechanism	30-42-00, Maintenance, item 1	1	
50FH-24		Check condition and attachment of rotor blades anti-icing system wire bundles	30-60-00, Maintenance, item 1	5	
50FH-25		Check functioning of ice detector by built-in test system	30-80-00, Checking/ Troubleshooting, iteml	1	

50FH-26		Check instrument pointers and indexes (bars) for proper reading with power supply switched off and on in-flight compartment	39-00-00, Maintenance, item 2	1	
50FH-27		Check functioning of taxi and parking brakes of landing gear wheels	32-50-00, Maintenance, item 1	1	
50FH-28		Check friction error of standby КИ-13БС-1 magnetic compass	34-25-00, Maintenance, item 2	1	
50FH-31		Check APU systems for freedom from fuel and oil leakage	АИ-9 ММ, item 6.2.3 (1)	4	
50FH-32		Check operation of cabin door open position warning system	52-70-00, Checking/ Troubleshooting, item 1	2	
50FH-33		Check condition of fuselage skin	53-00-00, Inspection/Checking, item 1	2	
50FH-34		Check condition of flight compartment windows	56-00-00, Maintenance, item 1	1	
50FH-35		Check condition of cabin windows	56-00-00, Maintenance, item 1	2	
50FH-36		Check condition of main rotor blades	62-10-00, Inspection/Checking, item 1	5	
50FH-37		Absence of foreign objects in engine nacelle compartments and air intake tunnels, closing reliability of engine nacelle panel locks and hatch covers	54-00-00, Maintenance, item 3	4	

50FH-38		Check: -condition and attachment of main landing gear wheels -pressure of main landing gear tires, in terms of tire deflection -filling of main landing gear shock strut with oil to parking tire deflection -condition and attachment of nose landing gear wheels -pressure of nose landing gear tires, in terms of tire deflection -check condition of skies	32-41-00, Inspection/ Checking, item 1 32-41-00, Maintenance, item 1 32-11-00, Maintenance, item 2.B.(2).(f) 32-42-00, Maintenance, item 1 32-42-00, Maintenance, item 1 32-43-00, Maintenance, item 1	2 2 2 2 2 2	(if available)
50FH-39		Check condition of swash plate assemblies, sliders, torque links and upper bearing support of rotor mast	62-20-00, Inspection/Checking, items 1, 2	5	
50FH-40		Check condition of control rods, their joints with blade driving elements, sliders, swash plate assemblies and bell cranks on gearbox	62-20-00, Inspection/Checking, item 3	1-5	
50FH-41		Check condition and attachment of main rotor hubs	62-20-00, Inspection/Checking, item 3	5	
50FH-42		With blades in operating position, easy release and locking of friction locks of blades folding mechanism levers from operating position	62-29-00, Maintenance, item 2	5	

50FH-43		Check that control hinges and rotor mast move freely (without seizure and noise) with displacement of cyclic pitch control stick, pedals, and collective pitch control lever	67-10-00, Inspection/Checking, item 1	1.4.5	
50FH-44		Check condition and attachment of rods, bell cranks and roller fairleads of control system	67-10-00, Inspection/Checking, item 3	1-4	
50FH-45		Check condition of cyclic pitch control stick, pedals, and collective pitch control lever	67-10-00, Inspection/Checking, item 4	1	
50FH-46		Check that effort is rising with cyclic pitch control stick being deflected and this effort is removed with TRIM knob depressed. WARNING: NEVER DEFLECT CYCLIC PITCH CONTROL STICK WITH ROTOR BLADES FOLDED	67-11-00, maintenance, item 2	1	
50FH-47		Check collective pitch control lever for easy displacement and fixing with friction mechanism. WARNING: NEVER DEFLECT COLLECTIVE PITCH CON-TROL LEVER WITH ROTOR BLADES FOLDED	67-14-00, maintenance, item 1	1	
50FH-48		Check pedals for rising effort and full travel upon their displacement and removal of effort with TRIM button depressed. WARNING: NEVER DEFLECT PEDALS WITH ROTOR BLADES FOLDED	67-21-00, maintenance, item 1	1	
50FH-49		Drain oil sediment from flapping hinges and replenish oil, if required	62-20-00, Maintenance, item 2	5	
50FH-50		Check condition of rods and spherical attachment fittings of main engines mounts	71-20-00, Maintenance, item 1	4	
50FH-51		Drain sediment from traps of engine power equalization pipelines	71-90-00, Maintenance, item 2	4	

50FH-67		Check levers on engines and rotors brake control panel for easy and full displacement	76-11-00, Maintenance, item 2	1	
50FH-68		Check oil level in the oil tanks	79-11-00, Maintenance, item 2	4	
50FH-69		Check rotors for braking and unbreaking	63-24-00, Checking/ Troubleshooting, item 1	1	
50FH-70		Check visually condition of main gearbox and its oil system	63-20-00, Inspect/ Checking, item 1,	4	
50FH-71		Inspect and rinse oil filter of main gearbox	63-22-01, Maintenance, item 1	4	
50FH-72		Check oil quantity in main gearbox	63-21-00, Maintenance, item 2	4	
50FH-73		Inspect and rinse chip detectors in the main gearbox	63-45-01, Maintenance, item 1	4	
50FH-74		Inspect and check condition of dust protection devices (with removal of “mushroom”). Check cleanliness of intake ducts, separator, and manifold. Inspect blades of engines compressors for presence of ice. NOTE: If ice is detected, remove it with hot air (t° = +60. +70 °C). Make sure that compressor rotors rotate freely (by hand).		4	

50FH-75		Check functioning of A 036 radio altimeter in RA TEST mode	34-13-00, checking/ troubleshooting İtem 1	1	
50FH-76		Operability of APK-19 beacons built-in automatic switching device	34-50-00, Checking/ Troubleshooting, item 1	1	
50FH-77		Check ИВ-79П-В-2 vibration monitoring equipment by built-in test	ИВ-79П-В-2 ММ 077.31.00a	1	
50FH-78		DELETED (N/A)			
50FH-79		DELETED (N/A)			
50FH-80		Check condition of tank BAMBI BUCKET if there are any damages. Check control circuits of tank BAMBI BUCKET	see 25-54-01, Maintenance, item 3 Add. to section 25, 2 see 25-54-01, Maintenance, item 2		
50FH-104	31-50-00 - Warning and Caution System	Check external condition and reliability of units fastening	Suppl.14 to MM 31-50-00, Maintenance. Item 2, 3	*1*	

	CAC-4M-26 (IF INSTALLED)				
50FH-105	31-50-00 - Warning and Caution System CAC-4M-26 (IF INSTALLED)	Check functioning of CAC-4M-26 by built-in test	Suppl.14 to MM 31-50-00, Maintenance. Item 1	1	
50FH-111	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check condition and unit's attachment of radio altimeter	Suppl.11 to MM 34-13-00, Maintenance. Item 3	*2*	
50FH-112	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check serviceability of radio altimeter A-036A	34-13-00, Maintenance. Item 4	*1*	

4.7 . 100 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
100FH-01	21-00-00 HEATING AND VENTILATION SYSTEM	Check: - condition of units, pipelines and manifolds, check easy displacement and fixing of handle as per ref: 21-10-03, Maintenance, item 1 - condition of plenum ventilation as per ref: 21-30-00, Maintenance, item 2 - condition and attachment of temperature indicator as per ref: 21-20-00, Maintenance, item 1 - condition of cabin heating system components 21-20 00, Maintenance, item 2 - condition of wiring and assemblies and parts of unit 2714A 21-21-01, Maintenance, item 2	21-10-03, Maintenance, item 1 21-30-00, Maintenance, item 2 21-20-00, Maintenance, item 1 21-20-00, Maintenance, item 2 21-21-01, Maintenance, item 2	1 1 1 2 2	
100FH-02	22-10-00 -ПКВ-252-IV A FLIGHT NAVIGATION SYSTEM	Check condition and attachment of units of autopilot, track computers, БК-252 switching unit and central control panel	22-10-00, Maintenance, item 3	1	
100FH-03	23-00-00-COMMUNICATION EQUIPMENT	Switch on communication equipment before functional check and switch it off after check 23-10-00 - “ЯДРО-1Ж1” RADIO SET	23-00-00, Maintenance, item 1	1	

100FH-04	23-10-00 - “ЯДРО-1Ж1” RADIO SET	ЯДРО-1Ж1 ММ CHECK: - condition and attachment of cable antenna, РК-153 lightening protection unit, through insulator, connection of lead-in and tension of antenna cable. - condition of antenna lead-in - condition of cables and bonding links - condition of shock mounts and attachment of units	ЯДРО-1Ж1 ММ 023-10-00, Maintenance, item 1 023-10-00a 023-10-00b 023-10-00D	3 2 2 2	
100FH-05	23-20-00 - “ЮРОК” RADIO SET	ЮРОК” RADIO SET Check: - condition of antennas and light protection subsection item unit - condition of cables, feeders and grounding buses - perform functional test of radio set	ЮРОК (Yurok) ММ ЮРОК (Yurok) ММ, 023.20.006	3 1-3 1	
100FH-06		DELETED (N/A)			
100FH-07	23-40-00 - INTERCOM	Check: - condition of electrical wiring to external buttons and condition of buttons - condition of ГСШ-А-18headset	23-40-00, Maintenance, item 1 23-40-00, Maintenance, item 2	1 1	

100FH-08	23-40-00 -П-510 ITEM	Check: -condition of patching cables, bonding links and attachment of instruments as per ref: 23-40-01, Maintenance, item 2 - side tone monitoring in intercom as per ref: 23-40-01, Checking/ Troubleshooting, item 2 - survivability of external communication line as per ref: 23- 40-01, Checking/ Troubleshooting, item 1	23-40-01, Maintenance, item 2 23-40-01, Checking/ Troubleshooting, item 2 23-40-01, Checking/ Troubleshooting, item 1	1 1 1	
100FH-09	25-10-01 - PILOT'S SEAT	Check condition of pilot's seat	25-10-01, Maintenance, item 1		
100FH-10	25-10-02 -CO-PILOT'S SEAT	Check condition of co-pilot's seat	25-10-02, Maintenance, item 1		
100FH-11	25-10-05 - FLYING GOGGLES	Check condition of flying goggles	25-10-05, Maintenance, item 1		
100FH-12	25-10-06 - INSTRUMENT FLYING BLINDS	Check: - condition of instrument flying blinds - operation of instrument flying blinds	25-10-06, Maintenance, item 125-10-06, Maintenance, item 2		
100FH-13	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Check condition of system devices and mechanisms, condition and electric wiring and electric connectors of locks and sling cable	25-52-00, Maintenance, item 1		
100FH-14	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Check: - operability of ДГ-65 lock - serviceability of electrical and mechanical control over system opening lock - serviceability of ДГ-65 mechanical control over upper lock opening	25-52-01, Maintenance, item 1.B(8) 25-52-0, Maintenance, item 3 25-52-1, Maintenance, item 1.B.(8)		

100FH15	25-53-00 - HOIST SYSTEM	Check: - condition of hoist system elements - condition and attachment of АПГ-300 hoist and hoisting mechanism	25-64-00, Maintenance, item 1 25-53-00, Maintenance, items 1,2		
100FH16	26-00-00 - FIRE FIGHTING EQUIPMENT	Check condition and attachment of fire extinguishers 1-3-3, pipelines and discharge spray rings	26-21-01, Maintenance, item 2		
100FH17	26-00-00 - FIRE FIGHTING EQUIPMENT	Check tightening and locking of squib control head union nuts on fire extinguishers 1-3-3	26-21-00, Maintenance, item 3		
100FH-18	28-00-00 FUEL SYSTEM	Check: - condition of fuel tanks No. 5 - condition of external fuel tanks - absence of leakage at installation places of fuel tanks, air tightness of filler necks and drain valves - condition and attachment of air separators, filter 11ТФ30СТ and pipelines in the engine nacelle - condition, attachment and realign of single point fueling connection - condition of fittings on fueling control panel - condition of shutoff valves, cross-feed and felling valves, fuel system pipelines - condition and attachment of switching device of ТПР1-10Д fuel quantity indicating system - Rinse, inspect and check cleanliness of filter	28-10-00, Maintenance, item 3 28-11-00, Maintenance, item 3 28-10-00, Maintenance, item 4 28-22-00, Maintenance, item 3 28-21-01, Maintenance, item 2 28-21-00, Maintenance, item 1 28-22-00, Maintenance, item 4 28-41-01, Maintenance, item 3 28-22-00, Maintenance, item 2	2 2 2 4 2 2 2 2 4 2, 4	
100FH-19	28-00-00 FUEL SYSTEM	Rinse, inspect and check cleanliness of filter installed in auxiliary power unit engine pipeline	28-22-05, Maintenance, item 2		

100FH-20	29-00-00 - HYDRAULIC SYSTEM	Check: - condition of hoses, hydraulic system on- board fluid filling panel and manual pump of hydraulic tank pressurization; condition and attachment of units and pipelines. Check than for air tightness - condition and attachment of transmitters, pressure switches, temperature prober and system check instruments - air tightness and control of hydraulic tank pressurization - operation of pneumatic pump of hydraulic tank pressurization system	29-00-00, Maintenance, items 2, 3, 4 29-30-00, Maintenance, item 1 29-25-00, Maintenance, item 1 29-25-06, Maintenance, item 2	2, 4 4 2 2	
100FH-21	29-00-00 - HYDRAULIC SYSTEM	Check: - operability of hydraulic system - switching on and switching off of pump station	29-00-00, Inspection/ Checking, item 5 29-20-01, Inspection/ Checking, item 2	1 1	
100FH-22	29-20-01 -HC-46-2 HYDRAULIC PUMP STATION	Check condition and attachment of hydraulic pump station	29-20-01, Inspection/ Checking, item 1	4	
100FH-23	30-00-00 - ICE AND RAIN PROTECTION SYSTEM	Check: - condition and attachment of windscreen wipers - operability of flight compartment windows cleaning mechanism - condition and attachment of wire bundles of rotor blades anti-icing system - condition and attachment of ПКПС-1 cyclic timer of rotor blades anti-icing system	30-42-00, Maintenance, item 1 30-42-10, Maintenance, item 2 30-60-00, Maintenance, item 1 30-61-00, Maintenance, item 2	1 1 5 5	
100FH-24	30-80-00 - CO-121BM ICE DETECTOR	Check condition and attachment of electronic converter and icing detector probe	30-80-00, Maintenance, item 2	4	

100FH-25	30-80-00 - CO-121BM ICE DETECTOR	Check operability of ice detector by built-in test	30-80-00, Checking/ Troubleshooting, item 1	1	
100FH-26	31-00-00 - ON-BOARD AUTOMATIC MONITORING FACILITIES AND MAIN FLIGHT DATA RECORDING SYSTEMS	Check condition and attachment of МУ-615А angle position transmitter	31-30-01, Maintenance, item 5	4	
100FH-27		(N/A)			
100FH-28	32-00-00 - LANDING GEAR	- Check: -condition and attachment of forks, struts, wheels, ground cable; pressure in main landing gear tires as per ref: 32-10-00, Maintenance, - items 1, 2 - condition of main landing shock struts as per ref: 32-11-00, maintenance, item 2 - condition and attachment of nose landing gear struts; pressure in wheel tires as per ref: 32-20-00, Maintenance, item 1 - -engagement of lever roller of nose landing gear shock strut steering collar with damper lever as per ref: 32-21-01, maintenance, item 1 - condition and attachment of ballonets; closing of locks; condition and attachment of doors; condition of ejectors, covers and locking of bleeding plugs as per ref: 32-90-00, Maintenance, item 1 32-90-00, Maintenance, item 2 - condition of units and pipelines of ballonet pneumatic filling system as per ref: 32-93-00, maintenance, item 1	-32-10-00, Maintenance, items 1, 2 -32-11-00, Maintenance, item 2 -32-20-00, Maintenance, item 1, -32-42-00, Maintenance, item 1 -32-21-01, Maintenance, item 1 -32-90-00, Maintenance, item 1 -32-90-00, Maintenance, item 2 -32-93-00, Maintenance, item 1	- - 2 - - 2 - - 2 - - 2 - - 2 - - 2 - - 2 - - 2	- - - - - - - - - - - - - - - -Ballonet not Installed our Fleet

100FH-29	33-00-00 - LIGHTING AND LIGHT WARNING	Check condition and attachment of equipment	33-00-00, Maintenance, item 1	1	
100FH-30	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Check condition and attachment of probes and units of pitot/static system and hoses running to them	34-11-00, Maintenance, item 4	1	
100FH-31	34-13-00 - A-036 RADIO ALTIMETER	Check condition of transceiver antennas and indicator	34-13-00, Maintenance, item 1,2,3,4	3	
100FH-32	34-15-00 - COC-B1-32-Э LIMIT SIGNAL SYSTEM	Check condition and attachment of УСВИ-200Э speed indicator	COC-B1-32-Э MM 34-15-00, No. 205	1	
100FH-33	34-15-00 - COC-B1-32-Э LIMIT SIGNAL SYSTEM	Check system operability	COC-B1-32-Э MM 34-15-00, No. 202	1	
100FH-34	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check condition and attachment of nondirectional antenna and fairings, lead-in safety; bonding links of units; attachment of cables and tightening of plug connectors; attachment of nuts; condition of instruments; shock mounts of units	34-50-00, Inspection/Checking, items 2, 3, 4, 5, 8, 9	2	
100FH-35	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check: - operability with built-in test 110.10.00 110.10.03 d,110.10.04 m, has per ref :34-50-50, items 1, 6 - operation of radio beacon automatic switching device 110- 10-00110-10-03 f,110-10-04 r	APK-19 MM 110.10.00 110.10.3 d, 110.10.4 m, h 110-10-00 110-10-03 f, 110-10-04 r	1	

100FH-36	39-00-00 - INSTRUMENT BOARDS AND CONTROL PANELS	Check: - condition and attachment of instrument boards, panels and instruments installed on them as per ref: 39-00-00, Maintenance, item 1 - positive operation of circuit breakers, selector switches, switches and buttons as per ref: 39-00-00, Maintenance, item 3	39-00-00, Maintenance, item 1 39-00-00, Maintenance, item 3	1	
100FH-37	49-00-00 - AUXILIARY POWER UNIT	Check condition of APU mounting frame and its attachment fittings to the airframe	49-11-00, Maintenance, item 1	4	
100FH-38	49-00-00 - AUXILIARY POWER UNIT	Check condition of engine, condition and attachment of units, pipelines and exhaust pipe	АИ-9 ММ item 6.2.3 (1	4	
100FH-38A	49-00-00 - AUXILIARY POWER UNIT	Inspect the contacts of the ignition coil proceeding	АИ-9 ММ item 6.2.4 (2)		
100FH-39	52-00-00 - DOORS	Check: - condition and attachment of flight compartment doors - condition and attachment of cabin emergency door and cover - serviceability and operability of cabin emergency release of cabin emergency door and cover	52-10-00, Maintenance, item 3 52-30-00, Maintenance, item 2 52-20-00, Maintenance, item 1	1 2 2	
100FH-40	53-00-00 - FUSELAGE	Check condition of fuselage enter skin	53-00-00 Inspection/ Checking, item 1	2	
100FH-41	54-00-00 - ENGINE NACELLE	Check condition of engines nacelle and its locks, cleanliness of drainage pipes	54-00-00, Maintenance, items 2, 3	4	
100FH-42	55-00-00-T AIL UNIT	Check condition of tail unit	55-50-00, Maintenance, item 1	3	

100FH-43	56-00-00 - WINDOWS	Check condition of windows	56-00-00, Maintenance, item 1	1	
100FH-44	62-00-00 - HELICOPTER MAIN ROTORS	Check in flight and eliminate hovering turn, if required	62-10-00, Dynamic Adjustment, Item 3	1	
100FH-45	62-10-00 - MAIN ROTOR BLADES	Check condition of main rotor blades	62-10-00, Inspection/ Checking, item 1	5	
100FH-46	62-20-00 - MAIN ROTOR MAST	Check: - condition of swash plate assembly, sliders, torque links and upper bearing; condition of rods and their coupling with blade pawls, sliders, swash plate assemblies and bell cranks on the gearbox; condition of rotor hubs - condition and attachment of collective and differential pitch mechanism parts - condition and operation of blades folding/unfolding mechanisms, fixing of blades in folding mechanisms. - clearances between ends of needle bearing sleeves of flap- ping hinges and vertical limiter casing	62-20-00, Inspection/ Checking, item 2 62-28-00, Maintenance, item 1 62-29-00, Maintenance, item 1 62-20-00, Maintenance, item 7	5 2 5 5	Clearance “A” shall be 0.7 mm minimum
100FH-47	62-20-00 - MAIN ROTOR MAST	- for absence of steel chips in oil of axial and flapping hinges - absence of chips in oil and condition of thrust bearings Д2Б2116-0/Г (Д2Б2116-0/В) of flapping hinges and nuts Д2Б2110-11/А for absence of cracks - absence of lower slider sleeve play	62-20-00, Inspection/ Checking, item 7 62-20-00, Inspection/ Checking, item 7 62-27-00, Maintenance, item 1	5 5 5	The first check shall be done after accumulation of 500+10° hours
100FH-48	62-20-00 - MAIN ROTOR MAST	Check tightening of attachment nuts of main rotor hubs and locking of lower rotor hub nut and upper rotor hub eye-nut as	62-20-00, Inspection/ Checking, item 4	5	The first check shall be done after accumulation of 50 hours (after installation)

100FH-49	63-00-00 - HELICOPTER ROTOR DRIVE SYSTEM	Check condition of gearbox mount supporting stouts and brackets	63-20-00, Inspection/ Checking, item 2	4	
100FH-50	63-00-00 - HELICOPTER ROTOR DRIVE SYSTEM	Check condition of gearbox; its oil system and freedom from leakage	63-20-00, Inspection/Checking, item 1 63-21-01, Maintenance, item 1	4	
100FH-51	63-00-00 - HELICOPTER ROTOR DRIVE SYSTEM	Inspect and rinse gearbox oil filter, chip detector plugs of gearbox	63-22-01, Maintenance, item 1	4	
100FH-52	63-00-00 - HELICOPTER ROTOR DRIVE SYSTEM	Check operation of chip detector plug	BP-252 MM, 084.10.00 k,63-45-01, maintenance, item 1	2	
100FH-53	63-21-00 - GEARBOX OIL SYSTEM	Check condition and attachment of pipelines and oil cooler	63-21-00, Maintenance, item 1	4	
100FH-54	63-10-00 - TRANSMISSION SHAFTS	Check condition and attachment of fan drive shaft coupling and spring	63-10-00, Maintenance, item 1	4	
100FH-55	63-24-00 - MAIN ROTOR BRAKE SYSTEM	Check braking and unbreaking of rotors	63-24-00, Checking/ Troubleshooting, item 1	1	
100FH-56	63-24-00 - MAIN ROTOR BRAKE SYSTEM	Check condition of brake, clearance in brake	63-24-0, maintenance, item 2	4	

100FH-57	63-40-00-TRANSMISSION CONTROL INSTRUMENTS	Check condition and attachment of transmitters, position switches, pickups and instrument units	63-40-00, maintenance, item 1	4	
100FH-58	67-00-00 - CONTROLS	Check: - condition of helicopter control linkage elements, cyclic pitch control stick, pedals, and collective pitch control lever; condition and attachment of rods, bell cranks and roller tracks - correspondence of swash plate assembly tilting to position (deflection) of cyclic pitch control stick	67-10-00, Inspection/ Checking, items 2, 3, 4 67-10-00, Maintenance, item 3	1-5	
100FH-59	67-01-00 - SERVO SYSTEM	Check condition and attachment of servo system	67-31-00, Inspection/Checking, item 1	4	
100FH-60	67-01-00 - SERVO SYSTEM	Check operability and smooth travel of servo system rods from main and alternate hydraulic systems	67-31-00, Inspection/Checking, item 2	1	
100FH-61	71-00-00 - POWER PLANT	Check: - condition and attachment of hot air tapping pipelines from main engines to heating and ventilation system and hydraulic tank pressurization system; flexible trunks and branch pipes tapping air from by-pass valves of main engines - condition of rods and spherical attachment fittings of main engines - condition and attachment of pipelines, branch pipes and flexible trunks of cooling units of power plant - condition and attachment of fan, its engagement with drive shaft - condition and attachment of pipelines of engines power synchronization system	71-00-00, Maintenance, items 1, 2 71-20-00, Maintenance, item 1 71-80-00, Maintenance, item 1 71-81-00, Maintenance, item 1 71-90-00, Maintenance, item 1	4 4 4 4	

100FH-70	76-00-00 - ENGINE CONTROLS	Check condition and attachment of system parts and assemblies, easy and full displacement of levers on engine and rotor brake control panel	76-11-00, Maintenance, items 1, 2	1	
100FH-71	77-00-00 - ENGINE INSTRUMENTS	Check condition and attachment of transmitters, receivers and units and АПД-78 engine autos tart unit	77-00-00, maintenance, item 1	4	
100FH-72	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - condition and attachment of transmitters and electronic vibration measuring unit, - ИВ-79П-В-2 vibration monitoring equipment by built-in test 077.31.00a 1	ИВ-79П-В-2 ММ 077.31.00b	1-4	
100FH-73	78-00-00 - EXHAUST SYSTEM	Check: - condition of main engine extension pipes, and their attachment clamps - tightening of extension pipe attachment clamp turnbuckles	78-10-00 Maintenance, item 1 ТВ3-117 ММ clamp turnbuckles 072.58.00, No. 204 78-10-00, maintenance, item 2	4	Perform this operation after accumulation of the first 5+1 hours since clamp installation
100FH-74	79-00-00 - OIL SYSTEM	Check condition and attachment of oil tanks, oil coolers and pipelines	79-00-00, Maintenance, item 1	4	
100FH-75	80-00-00 MAIN ENGINE STARTING SYSTEM	Check condition and attachment of pipelines and branch pipes and АПД-78 engine auto start unit	80-10-00, maintenance, item 1	4	
100FH-76		Check sufficiency of signal emitted by the antenna of the emergency radio beacon ME 406 ELT	ME 406ELT MM Periodical maintenance, page 32	1,3	

4.8 300 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
300FH-01	21-00-00 HEATING AND VENTILATION SYSTEM	Check - operation of flight compartment and cabin heating system	21-20-00, Maintenance, item 3	2	
300FH-02	21-00-00 HEATING AND VENTILATION SYSTEM	Check - operation of УРТ-20К temperature regulator by ground test set 2600	21-21-00, Maintenance, item 1	1	
300FH-03	22-10-00 - ПКВ-252-IV A FLIGHT NAVIGATION SYSTEM	Check - technical characteristics with ИВС-252 simulator	22-10-00, Maintenance, item 2	1	
300FH-04	22-10-00 - ПКВ-252-IV A FLIGHT NAVIGATION SYSTEM	Check -operability	22-10-00, Checking/ Troubleshooting, item 2	1	
300FH-05	23-20-03 CO 2010 TRANSPONDER	Check CO-2010 By built in test on helicopter	Supp.31 to MM 23-20-03 Item 1	1	

300FH-12	24-00-00 - ELECTRICAL POWER SYSTEM	Check condition and attachment of system units and assemblies	24-00-00, Maintenance, item 1	4	
300FH-13	24-00-00 - ELECTRICAL POWER SYSTEM	Check operation of power supply sources: - 200 V / 115 V AC power sources	24-20-00, Checking/ Troubleshooting, item 1	1	
300FH-14	24-00-00 - ELECTRICAL POWER SYSTEM	Check operation of power supply sources: - DC power sources	24-30-00, Checking/ Troubleshooting, item 1	1	
300FH-15	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Remove units and assemblies of external load sling system from helicopter	25-52-00, Removal/ Installation, item 1	2	

300FH-16	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Check minimum operating voltage of ДГ-65 locks in 27 V circuit	25-52-01, Maintenance, item 2		Laboratory (with test stand)
300FH-17	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Install units and assemblies of external load sling system aboard helicopter	25-52-00, Removal/ Installation, item 1	2	
300FH-19	25-53-00 - RESCUE EQUIPMENT	Check: - operation of light ФР-9 on hoist boom	25-53-00, Maintenance, item 6	2	
300FH-20	25-53-00 - RESCUE EQUIPMENT	Check: - operability of ФПП-7М search flood light	33-50-00, Maintenance, item 1	1	
300FH-21	25-53-00 - RESCUE EQUIPMENT	Check: - operability of ПРФ-4МП search flood lights	33-50-00, Maintenance, item 2	1	
300FH-22	25-53-00 - RESCUE EQUIPMENT	Check: - angle sector within which ПРФ-4МП search flood lights can be deflected	33-50-00, Maintenance, item 3	1	
300FH-24	26-00-00 - FIRE FIGHTING EQUIPMENT	Check condition and attachment of ДПС- 1АГ fire detectors and БИ-2И unit and their electrical connectors	26-11-00, Maintenance, item 2	1	

300FH-27	29-00-00 - HYDRAULIC SYSTEM	Rinse and inspect air and hydraulic filters	29-00-00, Maintenance, item 2, 29-25-02, Maintenance, item 1	4	
300FH-28	30-00-00 - ICE AND RAIN PROTECTION SYSTEM	Check condition of collector and brush gear and brush length of ЭПК-2Т electrical mechanism	30-42-10, Maintenance, item 3	1	
300FH-29	30-00-00 - ICE AND RAIN PROTECTION SYSTEM	Check operation of main rotor blade anti icing system and correct follow-up of time program by ПКПС-1 mechanism	30-60-00, Checking/ Troubleshooting, item 1	1	
300FH-30	30-62-00 -T C -7M SLIP RING ASSEMBLY	Check condition and attachment of slip ring assembly; condition of brushes, contact rings and terminals	30-62-00, Maintenance, items 2, 1	5	
300FH-31	30-63-00 - TCB36M033 SLIP RING ASSEMBLY	Check condition and attachment of slip ring assembly; condition of brushes, contact rings and terminals	30-63-00, Maintenance, items 2, 3	5	
300FH-33	32-00-00 - LANDING GEAR	Check: - adjustment of landing gear limit switches	32-10-00, Maintenance, item 3	2	
300FH-34	32-00-00 - LANDING GEAR	check - operability of hoisting and lowering system of fuselage tail and nose sections	32-00-00, Checking/Troubleshooting, item 1	2	

300FH-35	32-00-00 - LANDING GEAR	check - - operability of taxiing and parking brakes	32-50-00, Maintenance, item 1	1	
300FH-36	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Check condition and attachment of КИ-13К compass, attitude measuring instruments; compass card friction error	34-25-00, Maintenance, item 2	1	
300FH-37	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check receiver tuning	APK-19 MM 110.10.00, 110.10.03e, 110.10.04p	1	
300FH-38	49-00-00 - AUXILIARY POWER UNIT	Check condition of collector and brush gear of CT-115A electrical starter	49-40-03, Maintenance, item 2	4	
300FH-39	53-00-00-FUSELAGE	Check condition of primary structural members and interior load-carrying assemblies	53-40-00, Maintenance, item 1	2	
300FH-40	53-00-00-FUSELAGE	Check condition of frames No. 7 and No. 9 Note: Starting from 16000 flight hours or 20 years	53-40-00, Maintenance, item 1 2	2	Starting from 16000 flight hours or 20 years
300FH-41	55-00-00-TAIL UNIT	Check condition of horizontal, vertical stabilizers attachment fittings and rudder hinge fittings	55-50-00, Maintenance, item 1	*3*	
300FH-42	62-20-00 - MAIN ROTOR MAST	Change oil in axial and flapping hinges of main rotor bushings and make sure that there are no metal chips in oil drained from axial and flapping hinges	62-20-00, Maintenance, item 4	5	
300FH-43	62-20-00 - MAIN ROTOR MAST	Check slackness in thrust and radial bearings packs of swash-plate assemblies, backlash of torque link coupling lower rotor slip ring assembly with lower slider	62-20-00, Inspection/ Checking, items 5, 6	5	
300FH-44	63-00-00 - TRANSMISSION	Replace oil in the gearbox oil system	63-21-00, Maintenance, item 3	4	At least once every year
300FH-45	63-11-00 - GEARBOX OIL SYSTEM	Check cleanliness of oil cooler cores. Rinse oil cooler cores on the side of receiver	63-21-00, Maintenance, item 1.B.(2)	4	

300FH-46	63-10-00 - TRANSMISSION SHAFTS	Check fan drive shaft eccentricity	63-10-01, Maintenance, item 3	4	
300FH-47	63-24-00 - MAIN ROTOR BRAKING SYSTEM	Check: - condition and attachment of cables, rear assembly, lever-roller assembly, links from assembly to brake; tension of control linkage cables	63-25-00, Maintenance, items 1, 2	4	
300FH-48	63-24-00 - MAIN ROTOR BRAKING SYSTEM	Check: - adjustment of main rotor brake	63-24-01, Maintenance, item 3	4	
300FH-49	67-00-00 - CONTROL SYSTEM	Check: - condition and attachment of trim tab actuators	67-13-00, Maintenance, item 1	1	
300FH-50	67-00-00 - CONTROL SYSTEM	Check: - condition of rods, bell cranks and roller tracks of rudder control linkage, which are located in tail unit, fuselage rear section and cabin	67-10-00, Inspection/ Checking, item 5,B.(1)	2, 3	
300FH-51	67-00-00 - CONTROL SYSTEM	Check: - Check backlashes in longitudinal, lateral and directional control systems and in collective pitch control system; check forces requires displacing cyclic pitch control stick, pedals and collective pitch control lever; check adjustment of longitudinal, lateral and directional control and rotor collective pitch control	67-10-00, Inspection/ Checking, item 6	1	
300FH-52	72-00-00 - MAIN ENGINES	Inspect engine air-gas channel	TB3-117 MM 072.00.00, No.608	4	Should be performed after 100 hours if an external load is used

300FH-53	72-00-00 - MAIN ENGINES	Engine’s operation conditions are to be checked	Supplement № 5 to Bulletin No. К78-029-БЭ/БД (Н78М- 130 БЭ/БД)	4	
300FH-54	71-00-00 - POWER PLANT	Check fan flow channel for cleanness Wash fan flow channel sells from the receiver side	71-81-00, Maintenance, item 1	4	
300FH-55	71-00-00 - POWER PLANT	Check radial play of bearings in fan impeller	71-81-00, Repair, item 2	4	Starting from 1500 hours
300FH-56	71-00-00 – POWER PLANT	Check condition of front edges of fan impeller vanes	71-81-00, Maintenance, item 1	4	Starting from 2000 hours
300FH-62	72-00-00 - MAIN ENGINES	Check sealing of joints in fueling/oil drain plugs in the air starter		4	

300FH-65	76-00-00 - ENGINE CONTROL SYSTEM	Check: - tension of cables	76-11-00, Maintenance, item 3	2	
300FH-66	76-00-00 - ENGINE CONTROL SYSTEM	Check: - system adjustment	76-11-00, Maintenance, item 4	2	
300FH-67	76-00-00 - ENGINE CONTROL SYSTEM	Check: - backlashes in system elements; lubricate hinged joints and cables	76-11-00, Maintenance, item 5	2	
300FH-68	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - БЭ-43-8 electronic units' graduation on helicopter	ИВ-79П-В-2 ММ 077.31.00c	4	
300FH-69	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - operation of warning and caution indication of БЭ-43-8 electronic units on helicopter	ИВ-79П-В-2 ММ - 077.31,00d	4	
300FH-70	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check - output voltage of БЭ-43-8 electronic units on helicopter	ИВ-79П-В-2 ММ - 077.31,00e	4	
300FH-71	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - БЭ-43-8 electronic units by built-in test	ИВ-79П-В-2 ММ - 077.31,00f	4	

300FH-72	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - MB-04-1 vibration detector on helicopter	ИВ-79П-В-2 ММ - 077.31.00g	4	
300FH-73	79-00 -00 - OIL SYSTEM	Check cleanliness of oil coolers cores. Rinse oil cooler cores on the side of receiver	79-00-00, Maintenance, item 1 ,B.(2)	4	
300FH-74	34-55-00 AMS INDICATOR	Check serviceability of AMS Indicator	34-55-00, Maintenance Item 2	2	
300FH-76	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Remove radio altimeter units from helicopter and inspect them	Suppl. 11 to MM 34-13-00, Maintenance, item 1	2	
300FH-77	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check radio altimeter parameters on test stand	MM A-036, 110.42.00 o, p, g, s, t, u, w, i		Laboratory (with test stand)
300FH-78	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Install radio altimeter units on helicopter	34-13-00 Maintenance, item 2	2	
300FH-79	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check condition and radio altimeter units fastening	34-13-00 Maintenance, item 3	2	
300FH-80	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check serviceability of radio altimeter A-036A.	34-13-00 Maintenance, item 4	1	

4.9 500 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
500FH-01	62-20-00 - MAIN ROTOR MAST	Replace bearings Д2Б2200-80Г (Д252200-80Е) of rotor drag hinges as per ref: 62-21-00, Repair, item 1		5	Operation is performed on logging only.
500FH-02	63-50-00 - MAIN ROTOR BRAKING SYSTEM	Check thickness of brake shoe facings as per ref: 63-24- 01, Maintenance, item 2.B.(3)		4	First check after accumulation of 1500 hours

4.10 600 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
600FH-01	22-14-01 - ПКП-77 FLIGHT DIRECTOR INDICATOR	Remove indicator from helicopter	ПКП-77 MM 022.14.01	1	
600FH-02	22-14-01 - ПКП-77 FLIGHT DIRECTOR INDICATOR	Check indicator with КПА-72 test set	ПКП-77 MM 022.14.01 a, c		Laboratory (with test stand)
600FH-03	22-14-01 - ПКП-77 FLIGHT DIRECTOR INDICATOR	Install indicator on helicopter	ПКП-77 MM 022.14.01	1	
600FH-04	22-14-01 - ПКП-77 FLIGHT DIRECTOR INDICATOR	Check indicator operability	ПКП-77 MM 022.14.01 b	1	
600FH-05	22-14-02 - ПНП-72-15 HORIZONTAL SITUATION INDICATOR	Remove indicator from helicopter	ПНП-72 MM 022.14.02	1	
600FH-06	22-14-02 - ПНП-72-15 HORIZONTAL SITUATION INDICATOR	Check indicator with КПА-72 test set	ПНП-72 MM 022.14.02c		Laboratory (with test stand)

600FH-07	22-14-02 - ПНП-72-15 HORIZONTAL SITUATION INDICATOR	Install indicator on helicopter	ПНП-72 ММ 022.14.02	1	
600FH-08	22-14-02 - ПНП-72-15 HORIZONTAL SITUATION INDICATOR	Check indicator operability	ПНП-72 ММ 022.14.02b	1	
600FH-09	23-40-00-INTERCOM	Check ГСШ-А-18 headset for compliance with standard technical parameters	23-40-00, Maintenance, item 3	1	
600FH-10	24-00-00 - ELECTRICAL POWER	Check condition and attachment of junction boxes. Open boxes, check condition and attachment of parts and elements, condition of wiring	24-50-00, Maintenance, items 1, 2, 3	4	
600FH-11	24-00-00 - ELECTRICAL POWER	Clean ВУ-6Б rectifier terminals of dust and dirt	24-30-01, Maintenance, item 6	4	
600FH-12	25-52-00 - EXTERNAL LOAD SLING RYRTFM	Check traction dynamometer for correct readings	25-52-02, Checking/Troubleshooting, item 1	2	
600FH-13	25-53-00 - RESCUE EQUIPMENT	..continuity of pyro cartridge control circuit of sling heist cable shears ..operability of pyro cartridge of sling hoist cable shears	25-53-00, Maintenance, item 4 25-53-00, Maintenance, item 5	2	
600FH-14	26-00-00 - FIRE FIGHTING EQUIPMENT	Remove ДПС-1 АГ fire detectors with ССП-2И-РМ receptacles, БИ-2АЮ actuating unit	26-11-00, Maintenance, item 1	4	

600FH-15	26-00-00 - FIRE FIGHTING EQUIPMENT	Clean of dirt and oil ДПС-1 АГ fire detectors. Check condition of electrical connector pins and sockets, wash connectors with alcohol and blow them compressed air	26-11-00, Maintenance, item 2, 3		Laboratory (with test stand)
600FH-16	26-00-00 - FIRE FIGHTING EQUIPMENT	Check parameters of fire detector system with use of ПП СПП test set	26-11-00, Maintenance, item 4		Laboratory (with test stand)
600FH-17	26-00-00 - FIRE FIGHTING EQUIPMENT	Install ДПС-1 АГ fire detectors with ССП-2 И-РМ receptacles, БИ-2АЮ actuating unit aboard helicopter	26-11-00, Maintenance, item 1	4	
600FH-18	26-00-00 - FIRE FIGHTING EQUIPMENT	Check continuity of electrical circuits of fire detector system	26-11-00, Maintenance, item 1	1	
600FH-19	26-00-00 - FIRE FIGHTING EQUIPMENT	Extract pyro cartridges from squib control heads of fire extinguishers 1-3-3 and check: -condition of cartridge firing mechanisms -continuity of pyro cartridge electrical circuits in fire extinguishing system	26-20-00, Maintenance, item 1 26-20-00, Checking/ Troubleshooting, item 1		
600FH-20	26-00-00 - FIRE FIGHTING EQUIPMENT	Check continuity of pyro cartridge electrical circuits in fire extinguishing system	26-20-00, Checking/ Troubleshooting, item 2	1	
600FH-21	28-00-00 - FUEL SYSTEM	Check condition of vent air inlets of fuel tanks and drainpipes	28-23-00, Maintenance, item 1	2	

600FH-22	28-00-00 - FUEL SYSTEM	Remove ТПР-10Д and ТПР1-13 fuel quantity indicating systems, СД-3ТУ and СД-29А pressure switches	28-41-01, Maintenance, item 1; 28-41-02, Maintenance, item 1; 28-42-01, Maintenance, item 1; 28-42-02, Maintenance, item 1	2	
600FH-23	28-00-00 - FUEL SYSTEM	Check: -condition of electrical connectors of fuel quantity indicating system transmitters as per ref: 28-41-03, Maintenance, item 1 -main parameters of ГД-3ТУ and СД- 29А pressure switches	28-42-00, Maintenance, item 1		Laboratory (with test stand)
600FH-24	28-00-00 - FUEL SYSTEM	Install ТПР1-10Д, ТПР1-13 fuel quantity indicating systems and СД-3ТУ, СД-29А pressure switches aboard helicopter	28-41-01, Maintenance, item 1; 28-41-02, Maintenance, item 1; 28-42-01, Maintenance, item 1; 28-42-02, Maintenance, item 1	2	
600FH-25	28-00-00 - FUEL SYSTEM	Check operability of ТПР1-10Д fuel quantity indicating system and ТПР1-13 indicating system metering portion	28-41-01, Checking/ Troubleshooting, item 1; 28-41-02, Checking/ Troubleshooting, item 1	1	
600FH-26	28-41-00-ТПР1-10Д, ТПР1-13 FUEL QUANTITY INDICATING SYSTEMS	Check parameters of fuel quantity indicating system with use of РПС1 (РПСА) test set	ТПР1-10Д ММ, 028.41.00, №211; ТПР1-13 ММ, 028.41.00, №206	1	
600FH-27		Check calibration of sensors	31-30-00, Maintenance, item 3	1	

600FH-31	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Remove from helicopter: vertical speed indicator 7060, altimeters 5934PA-3, УСВИ- 200Э speed indicator, ДВС-24 airspeed sensor, КЗВ-0-015 altitude controller with БСГ warning unit	34-14-02, Maintenance, item 1; 34-14-03, Maintenance, item 1; 34-12-01, maintenance, item 1; 34.15.02, Maintenance, item 5	1	
600FH-32	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Blow pitot/static system with compressed air. Check correction ring on ПВД-6М tube for proper setting	34-11-00, Maintenance, item 6	1	
600FH-33	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Check main parameters of УСВИ-200Э speed indicator, altimeter 5934PA-3, vertical speed indicator 7060, ДВС-24 airspeed sensor, КЗВ-0-015 altitude controller and ДВ-15М altitude sensor	34-14-02, Maintenance, item 2; 34-15-02, Maintenance, item 1	1	

600FH-34	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Install aboard helicopter: vertical speed indicator 7060, altimeters 5934PA-3, ДВ- 15M altitude sensor, УСВИ-200 speed indicator, ДВС-24 airspeed sensor, КЗВ-0- 015 altitude controller with БСГ warning unit	34-14-02, Maintenance, item 1; 34-14-03, Maintenance, item 1; 34-12-01, Maintenance, item 1; 34.15.02, Maintenance, item 5	1	
600FH-35	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Remove from helicopter: МГВ-1СУ8 vertical gyro, ВК-53РВ erecting cutout switch	34-23-01 Removal/ Installation, item 1; 34-21-07, Maintenance, item 1	2	
600FH-36	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Check parameters of vertical gyro and erecting cutout switch	34-23-01, Adjustment/ Test, item 1; 34-21-07, Maintenance, item 3	1	
600FH-37	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Install aboard helicopter: МГВ-1СУ8 vertical gyro, ВК-53РВ erecting cutout switch	34-23-01, Removal/ Installation, item 1; 34-21-07, Maintenance, item 1	2	
600FH-38	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Check functioning of vertical gyro erection system	34-23-01, Inspection/ Checking, item 3	1	
600FH-39	34-23-02 - GYRO HORIZON	Remove gyro horizons from helicopter	34-23-02, Removal/ Installation, item 1B	1	
600FH-40	34-23-02 - GYRO HORIZON	Check their parameters	34-23-02, Adjustment/ Test, item 2	1	

600FH-41	34-23-02 - GYRO HORIZON	Install gyro horizons on the helicopter	34-23-02, Removal/ Installation, item 1C	1	
600FH-42	34-23-02 - GYRO HORIZON	Carry out alignment of gyro horizons after their installation	34-23-02, Adjustment/ Test, item 1B	1	
600FH-43	34-23-02 - GYRO HORIZON	Check operability of gyro horizons	34-23-02, Checking/ Troubleshooting, item 1B	1	
600FH-44	34-41-00 - “ГРЕБЕНЬ-2” COMPASS SYSTEM	Check operability of compass system with use of ground test equipment	“Гребень-2” ММ 034.41.00, pages 235-239	2	
600FH-45	62-20-00 - MAIN ROTOR MAST	Check condition of bearings and springs of centrifugal blade drop stops	62-21-00, Maintenance, items 1A, 1B	5	
600FH-46	62-20-00 - MAIN ROTOR MAST	Check smooth rotation of bearings in: -ТСВ36М033 slip ring -outer ring of upper swash plate assembly -rods of low collective differential pitch (МОДШ)	30-63-00, Maintenance, 5 item 4 62-24-00, Maintenance, 5 item 1 62-28-00, Maintenance, item 2		First check to be performed in 1ООО +200 -100 hours
600FH-47	63-42-00 - TRANSMISSION CONTROL INSTRUMENTS	Check operability of УРТ-100Т temperature regulator with use of test panel 2600	63-42-01, Maintenance, item 1	1	
600FH-48	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check insulation resistance of lines running from МВ-0,4- vibration pick-ups to БЭ-48-8 units	77-31-00, Inspection/ Checking, item 2	4	

600FH-49	80-00-00 MAIN ENGINE STARTING SYSTEM	Check air pressure in system as per	80-10-00, Maintenance, item 2	1	Perform this operation also after replacement of АИ-9 engine
600FH-51		DELETED (N/A)			
600FH-52	31-30-00 - PARAMETRIC INFORMATION AND AUDIO INFORMATION FLIGHT DATA RECORDER РПИ-2-02	Check: - external condition of units БСПИ-2-02, ЗБН-2М, ПУИ-2М, - automatic activation of recording of РПИ-2-02 article, - ПАМ-бк.	31-30-00 31-30-00 31-30-00	2 2 2	12 months (*) 12 months (*) 12 months (*)

4.11 1000 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
1000FH-01	62-20-00 - MAIN ROTOR MAST	Demount rotor mast from the helicopter, preserve it, pack in container, and send it to an organization certified to perform works on this mast:	62-20-00, Removal/Installation, item 1 62-20-00, Storage, item 1E	5	
1000FH-02	67-00-00 - CONTROL SYSTEM	Remove rods from mechanism of collective and differential pitches to rudders and check condition of bearings, their attachment in rods and bell cranks	67-10-00, Removal/ Installation, item 4 67-10-00 Inspection/Check, item 3	2	Perform first check after 4000 operating hours
1000FH-03	76-00-00 - ENGINE CONTROL SYSTEM	Remove engine control rod 9 (fig. 201) and check its condition	76-11-00, Maintenance, items 1. (10), 5. (4)	2	Perform first check after 4000 operating hours

4.12. 1200 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
1200FH-01	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Remove the radio set units from the helicopter	“Ядро-1Ж1” MM 023.10.00e	2	
1200FH-02	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Check condition of cable connectors and units.	“Ядро-1Ж1” MM 023.10.00c	2	
1200FH-03	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Clean the units	“Ядро-1Ж1” MM 023.10.00f	2	
1200FH-04	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Check: - wiring condition of units - condition of light indicators and controls	“Ядро-1 Ж1” MM 023.10. oog 023.10.00	2	
1200FH-05	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Inspect mechanisms of units Б4 and Б5	“Ядро-1Ж1” MM 023.10. oog	2	
1200FH-06	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Check: - current intensity in dummy antenna, signal shape, frequency setting accuracy, self-test voltage tuning time, modulation depth as per ref: 023.10.00k - sensitivity, receiver inherent noise, noise suppressor, automatic gain control	023.10.001	2	Laboratory (with test stand)
1200FH-07	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Install units on the helicopter	“Ядро-1Ж1” MM 023.10.ooo	2	

1200FH-08	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Check operability of radio set by built-in test as per ref:	“Ядро-1 Ж1” ММ 023-10-00 p	1	
1200FH-15	23-40-00-П-510 ITEM	Check: - condition of wiring and parts in units - condition of integral lights, inscriptions, and controls of БВ-9 instruments - output voltages of external communication channels in receive mode, - output voltages of external communication channels in transmit mode, - output voltages of intercom channel	П-510 ММ 023.40.01b 023.40.01j 023.40.01c 023.40.01 d 023.40.01 e		Laboratory (with test stand)

1200FH-16	23-40-00-П-510 ITEM	Install БВ-9, БВ-10, МН-10 instruments abroad helicopter	П-510 ММ 023.40.01 g	2	
1200FH-17	23-70-00 - VOICE RECORDER RADIO EQUIPMENT	Remove amplifier unit of СПУ-9 intercom system from helicopter	23-70-00	2	
1200FH-18	23-70-00 - VOICE RECORDER RADIO EQUIPMENT	Measure output voltage of amplifier channel	23-70-00	2	Laboratory (with test stand)
1200FH-19	23-70-00 - VOICE RECORDER RADIO EQUIPMENT	Install amplifier unit of СПУ-9 intercom system aboard helicopter	23-70-00	2	
1200FH-21	24-00-00 - ELECTRIC POWER SYSTEM	Check operation of 36 VAC power sources and 115V and 36 VAC emergency power sources	24-20-00, Checking/ Troubleshooting, item 2	1	
1200FH-22	24-20-08 - ПТС-800АМ THREE-PHASE STATIC INVERTER	Check operability of static inverter with УПП-1 test set	24-20-08, Maintenance, 1 item 1	1	

1200FH-23	29-00-00 - HYDRAULIC SYSTEM	Remove ИТ1П-60/260, ИП2П-60/260, И2П-100, И1П-100, И1П-240 indicators from helicopter	29-31-01, Maintenance, item 1; 29-31-02, Maintenance, item 1 29-31-04, Maintenance, item 1; 29-31-06, Maintenance, item 1 29-32-02, Maintenance, item 1; 29-32-04, Maintenance,item1	4	
1200FH-24	29-00-00 - HYDRAULIC SYSTEM	Check main parameters of И1П-100, И2П- 100, И1П-240 indicators and main errors of ИТ1П-60/260, ИТ2П-60/260 indicators	29-31-00, Maintenance, item 1; 29-32-00, Maintenance, item 1		Laboratory (with test stand)
1200FH-25	29-00-00 - HYDRAULIC SYSTEM	Install ИТ1П-60/260, ИТ2П-60/260, И2П-100, И1П-100, И1П-240 indicators on the helicopters as per ref:	29-31-01, Maintenance, item 1; 29-31-02, Maintenance, item 1; 29-31-04, Maintenance, item 1; 29-31-06, Maintenance, item 1; 29-32-02, Maintenance, item 1; 29-32-04, Maintenance, item 1	4	
1200FH-26	30-80-00 - CO-121 BM ICE DETECTOR	Remove the ice detector from the helicopter	30-80-00, Maintenance, item 1	4	

1200FH-27	30-80-00 - CO-121 BM ICE DETECTOR	Check main parameters	30-80-00, Maintenance, item 3		Laboratory (with test stand)
1200FH-28	30-80-00 - CO-121 BM ICE DETECTOR	Install the ice detector on the helicopter	30-80-00, Maintenance, item 1	4	
1200FH-29	31-00-00 - FLIGHT DATA RECORDER	Remove from helicopter: ДВ-15М altitude sensor	31-30-02, Maintenance, item 1	1	
1200FH-30	31-00-00 - FLIGHT DATA RECORDER	Install ДВ-15М altitude sensor aboard helicopter	31-30-02, Maintenance, item 1		
1200FH-31	31-30-00 - РПИ-2-02Airborne flight data recorder of parametric information and recording of audio information	Check automatic switching on of record of РПИ-2-02 article	РПИ-2-02 ММ 031.31.00, № 209		
1200FH-32	31-30-00 – РПИ-2-02Airborne flight data recorder of parametric information and recording of audio information	Check automatic switching on of record of РПИ-2-02 article	РПИ-2-02 ММ 031.31.00, № 209		
1200FH-33	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Check ПАМ-6К	РПИ-2-02 ММ 031.31.00, № 206		
1200FH-34	31-50-00 - CAC-4 MASTER WARNING SYSTEM	Remove БУ-1, БАП-1, БК-7-2 units from the helicopter	31-50-01, Maintenance, item 1, Area:2 31-50-02, Maintenance, item 1 31-50-03, Maintenance, item 1		

1200FH-35	31-50-00 - CAC-4 MASTER WARNING SYSTEM	Check functioning of БУ-1, БАП-1, БК-7-1	CAC-4 MM 033.13.00 d, e, f		Laboratory (with test stand)
1200FH-36	31-50-00 - CAC-4 MASTER WARNING SYSTEM	Install БУ-1, БАП-1, БК-7-2 units on the helicopter	31-50-01, Maintenance, item 1 31-50-02, Maintenance, item 1 31-50-03, Maintenance, item 1	2	
1200FH-37	31-50-00 - CAC-4 MASTER WARNING SYSTEM	Check system operability	31-50-00, Checking/ Troubleshooting, item 1	1	
1200FH-38	32-00-00 - LANDING GEAR	Remove ДИМ-40Т pressure gauge from helicopter	32-50-00, Maintenance, item 3	1	
1200FH-39	32-00-00 - LANDING GEAR	Check main parameters of ДИМ-40Т pressure gauge	32-50-00, Maintenance, item 5	1	Laboratory (with test stand)
1200FH-40	32-00-00 - LANDING GEAR	Install ДИМ-40Т pressure gauge aboard helicopter	32-50-00, Maintenance, item 4	1	
1200FH-41	34-11-00 - PITOT AND STATIC PRESSURE SYSTEM	Check air rightness of pitot/static tube with compressed air NOTE: After installation of instruments on helicopter	34-11-00, Maintenance, item 4	1	

1200FH-46	34-13-00 - A-036 RADIO ALTIMETER	Remove radio altimeter units from helicopter	34-13-00, Maintenance, item 2	2	
1200FH-47	34-13-00 - A-036 RADIO ALTIMETER	Check sensitivity, event signal and alert altitude signal setting, radiated frequency range with use of ПС-11-01 instrument	A-036 MM 10.42.05 л, м, н, п		Laboratory (with test stand)
1200FH-48	34-13-00 - A-036 RADIO ALTIMETER	Install radio altimeter units aboard helicopter	34-13-00, Maintenance, item 2	2	
1200FH-49	34-13-00 - A-036 RADIO ALTIMETER	Check bonding link contact resistance between transceiver and helicopter chassis frame, between antenna flanges and helicopter skin	A-036 MM 10.42.05e	2	
1200FH-50	34-13-00 - A-036 RADIO ALTIMETER	Check setting of event signals and alert altitude signal with use of ПС-11-02 instrument	A-036 MM 10.42.05b	1	

1200FH-51	34-15-00 - COC-B1-32-Э LIMITING SIGNAL SYSTEM	Remove BCO-32 limit signal computer and two УСВИ-200Э speed indicators from helicopter	34-15-00, Maintenance, items 2.B.(1), 2.B.(2)	1	
1200FH-52	34-15-00 - COC-B1-32-Э LIMITING SIGNAL SYSTEM	Check: - output parameters of BCO-32 limit signal computer	COC-B1-32-Э MM, 034.13.16, No. 201		Laboratory (with test stand)
1200FH-53	34-15-00 - COC-B1-32-Э LIMITING SIGNAL SYSTEM	Check: - air tightness of pitot/static tube, main error and readings variation of indicated airspeed of УСВИ-200Э indicator	34-15-00, Maintenance, items 2,3, 4		Laboratory (with test stand)
1200FH-54	34-15-00 - COC-B1-32-Э LIMITING SIGNAL SYSTEM	Check: Install BCO-32 limit signal computer and two УСВИ-200Э speed indicators aboard helicopter	34-15-00, Maintenance, items 2,B.(3), 2.B.(4)	1	
1200FH-55	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Remove from helicopter: control panel, fine tuning unit, receiver, preliminary tuning unit, antenna coupler, frame antenna	34-50-00, Removal/ Installation, item 1	1,2	
1200FH-56	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check: - condition of wiring and attachment of unit parts, condition of pins and jacks of electric connectors	APK-19 MM 110.10.00, 110.10.04k,o		Laboratory (with test stand)
1200FH-57	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check: - receiver sensitivity, frequency setting accuracy, threshold sensitivity to beacon signals	APK-19 MM 110.10.00, 110.10.04д, е		Laboratory (with test stand)

1200FH-58	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check: - bearing error, automatic rotation speed	APK-19 MM, 110.10.00, 110.10.04m		Laboratory (with test stand)
1200FH-59	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Install control panel, fine tuning unit, receiver, preliminary tuning unit, antenna coupler, frame antenna aboard helicopter	34-50-00 , Removal/ Installation, item 1	1,2	
1200FH-60	34-60-00 - SELF-CONTAINED INSTRUMENTS	Remove aircraft clock from helicopter	34-60-00, Maintenance, 1	1	
1200FH-61	34-60-00 - SELF CONTAINED INSTRUMENTS	Check aircraft clock accuracy as per ref:	34-60-00, Maintenance, item 2		Laboratory (with test stand)
1200FH-62	34-60-00 - SELF-CONTAINED INSTRUMENTS	Install the aircraft clock on the helicopter		1	

1200FH-66	35-00-00 - OXYGEN EQUIPMENT	Install oxygen Supply units and smoke protection oxy-gen masks aboard helicopter		1	
1200FH-67	49-00-00 - AUXILIARY POWER UNIT	Remove TCT-282C temperature indicator from helicopter	49-70-01, Maintenance, item 1	1	
1200FH-68	49-00-00 - AUXILIARY POWER UNIT	Testing TCT-282C Temperature Gauge for Basic Parameters Remove TCT-282C temperature indicator from helicopter	49-70-01, Maintenance, item 2		Laboratory (with test stand)
1200FH-69	49-00-00 - AUXILIARY POWER UNIT	Install temperature indicator aboard helicopter	49-70-01, Maintenance, item 1		1
1200FH-70	53-00-00 - FUSELAGE	Check condition of frames No. 7 and 9	53-40-00, Maintenance, item 1.B.(1).(a)		2
1200FH-71	66-60-00 - TRANSMISSION CONTROL INSTRUMENTS	Remove МСТВ-1,3 pressure switch, ИТ2П- 60/260 БСК and И2П-8 БСК indicators from helicopter	63-43-01, Maintenance, item 1, 63-41-02, Maintenance, item 1 , 63-41-04, Maintenance, item 1	1,4	
1200FH-72	66-60-00 - TRANSMISSION CONTROL INSTRUMENTS	Check response error of МСТВ-1,3 pressure switch, reading error of ИТ2П-60/260 БСК and И2П-8 БСК indicators			Laboratory (with test stand)
1200FH-73	66-60-00 - TRANSMISSION CONTROL INSTRUMENTS	Install МСТВ-1,3 pressure switch, ИТ2П- 60/260 БСК, И2П-8 БСК indicators aboard helicopter	63-43-01, Maintenance, item 1 , 63-41-02, Maintenance, item 1, 63-41-04, Maintenance, item 1	1,4	

1200FH-74	67-00-00 - CONTROL SYSTEM	Remove УП11 -23 pitch indicator complement from helicopter	67-41-01, Maintenance, item 1; 67-41-02, Maintenance, item 1		
1200FH-75	67-00-00 - CONTROL SYSTEM	Check indicator reading error	67-41-00, Maintenance, item 1		Laboratory (with test stand)
1200FH-76	67-00-00 - CONTROL SYSTEM	Install УП11-23 pitch indicator complement aboard helicopter	67-41-01, Maintenance, item 1; 67-41-02, Maintenance, item 1	1	
1200FH-77		Remove minimum pressure switch from helicopter	ТВ3-117 ММ 072.90.18	4	
1200FH-78	72-90-18 - МСТВ-2,5 MINIMUM PRESSURE SWITCH	Check minimum pressure switch parameters	ТВ3-117 ММ 072.90.18		Laboratory (with test stand)
1200FH-79	72-90-18 - МСТВ-2,5 MINIMUM PRESSURE SWITCH	Install minimum pressure switch aboard helicopter	ТВ3-117 ММ 072.90.18	4	
1200FH-80	77-00-00 - ENGINE CONTROL INSTRUMENTS	Remove from the helicopter: - ИТЭ-2Т tachometer complement	77-10-01, Maintenance, item 1	1,4	
1200FH-81	77-00-00 - ENGINE CONTROL INSTRUMENTS	Remove from the helicopter: - ИР-117В engine pressure ratio (EPR) indicator	77-10-02, Maintenance, items 1, 2, 3, 4	1,4	

1200FH-82	77-00-00 - ENGINE CONTROL INSTRUMENTS	Remove from the helicopter: - 2ИА-6 temperature indicator complement	77-21-00, Maintenance, items 1,2	1,4	Without removal of thermocouples
1200FH-83	77-00-00 - ENGINE CONTROL INSTRUMENTS	Check - main parameters of ИТЭ-2Т tachometer as per ref:	77-10-01, Checking/ Troubleshooting, item 1		Laboratory (with test stand)
1200FH-84	77-00-00 - ENGINE CONTROL INSTRUMENTS	Check - reading error of ИР-117В EPR indicator a s per ref:	77-10-02, Maintenance, items 5, 6		Laboratory (with test stand)
1200FH-85	77-00-00 - ENGINE CONTROL INSTRUMENTS	Check - error of 2ИА-6 temperature indicator	77-21-00, Maintenance, item 3		Laboratory (with test stand)
1200FH-86	77-00-00 - ENGINE CONTROL INSTRUMENTS	Install the following item on the helicopter: ИТЭ-2Т tachometer complement	77-10-01, Maintenance, item 1	1	
1200FH-87	77-00-00 - ENGINE CONTROL INSTRUMENTS	Install the following item on the helicopter: - ИР-117В EPR indicator	77-10-02, Maintenance, items 1-4	1	
1200FH-88	77-00-00 - ENGINE CONTROL INSTRUMENTS	Install the following item on the helicopter: - 2ИА-6 temperature indicator complement	77-21-00, Maintenance, items 1, 2	1	

1200FH-89		Check: - operation of gas temperature indicators by built-in test as per ref: 77-22-00, Checking/ Troubleshooting, item 1	77-22-00, Checking/ Troubleshooting, item 1	1	
1200FH-91		Perform calibration of gage circuits, check discrete commands and audio data passage	РПИ-2-02 ММ 031.31.00, No. 210	2	24 months (*)
1200FH-94		Blow, wipe, and grease connectors СНЦ	РПИ-2-02 ММ 031-31-00, No. 212	2	24 months (*)
1200FH-95	31-50-00 - Warning and Caution System САС- 4М-26 (IF INSTALLED)	Remove from helicopter units БУ-1М, БАП-1М, БК-7-2	Suppl. 14 to MM Removal/ Installation, 31-50-01 it. 1, 31-50-02 it. 1, 31-50-03 it. 1	1	
1200FH-96	31-50-00 - Warning and Caution System САС- 4М-26 (IF INSTALLED)	Check functioning of units БУ-1М, БАП-1М, БК-7-2	САС-4М ММ 033.64.00 No.205, 206, 210		Laboratory (with test stand)
1200FH-97	31-50-00 - Warning and Caution System САС- 4М-26 (IF INSTALLED)	Install on helicopter units БУ-1М, БАП-1М, БК-7-2	Suppl. 14 to MM Removal/ installation, 31-50-01 it. 1, 31-50-02 it. 1, 31-50-03 it. 1	1	

1200FH-101	34-15-02 - Air Speed Indicator УСВИЦ-350-3 (IF INSTALLED)	Define error of air speed indicator УСВИЦ-350-3	Suppl. 11 to MM 34-15-02, Troubleshooting item 2	1	
1200FH-102	34-15-02 - Air Speed Indicator УСВИЦ-350-3 (IF INSTALLED)	Check air speed indicator УСВИЦ-350-3 for tightness	34-15-02 Troubleshooting item 3	1	
1200FH-103	34-15-02 - Air Speed Indicator УСВИЦ-350-3 (IF INSTALLED)	Check air speed indicator УСВИЦ-350-3 for tightness	34-15-02 Maintenance, item 1	1	

4.13. 1800 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
1800FH-1	23-20-00 - “ЮРОК” RADIO SET	Remove the radio set from helicopter Inspect it visually	"ЮРОК” MM 023.20.00d	1,2	
1800FH-2	23-20-00 - “ЮРОК” RADIO SET	Check radio set parameters on test bench: -output power of transmitter -frequency stability of transmitter -modulation coefficient of transmitter -sensitivity of receiver, operation of noise taking bearings, automatic gain and output voltage control	023.20.00f 023.20.00g 023.20.00h 023.20.00i		Laboratory (with test stand)
1800FH-3	23-20-00 - “ЮРОК” RADIO SET	Install the radio set on the helicopter	“ЮРОК” MM 023.20.00a	1,2	
1800FH-4	23-20-00 - “ЮРОК” RADIO SET	Check radio set operability	“ЮРОК” MM 023.20.00b	1	
1800FH-5	23-20-03 TRANSPONDER CO-2010	Check CO-2010 using device IFR 6000 on helicopter	CO-2010 MM 113.32.11İ	1	

4.14. 2000 FH SCHEDULE MAINTENANCE CHECK

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
2000FH-01	29-00-00 - HYDRAULIC SYSTEM	Change working fluid in hydraulic system and PC-60 servo	29-00-00, Maintenance, item 1	2	
2000FH-02	67-00-00 - CONTROL SYSTEM	Check wear of metal-teflon hubs in bell cranks of lateral and longitudinal controls as	67-10-00, Inspection/checking, item 6	1	
2000FH-03	71-00-00- POWER PLANT	Check condition of blade leading edges of fan rotor wheel	71-81-00, Maintenance, item 3	4	

4.15. 3000 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
3000FH-01	67-00-00 - CONTROL SYSTEM	Inspect and check for corrosion and PC-60F type attachment bolts outer diameter wear	67-31-00, Inspection/Checking item 3	4	

4.16. 4000 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
4000FH-01	76-00-00 – ENGINE CONTROL SYSTEM	Replace engine control cable		4	

4.17. 8000 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
8000FH-01		Remove the following items from the helicopter: - Main gearbox with main rotor mast - Main engines - Auxiliary engine - Servo system PC-60 F - Rudders - Tail plane and fins - Components parts of the nose and main undercarriages - Fire extinguisher bottles - Hydraulic tanks -External load suspension - Cover plate in the cargo compartment			
8000FH-02		Inspect for cracks parts, listed in in table 3, using magnifier of 4 ... 7x zooming,			Replace cracked parts
8000FH-03		Inspect for cracks parts listed in Table 2, by non-destructive control method			Replace if there is a failure.
8000FH-04		Check electric supply and metallization condition:			Replace if there is a failure.
8000FH-05		inspect HC46-2 pump station mount and make sure, there are no cracks.			
8000FH-06		Inspect hydraulic accumulator supports (3 items) for crack absence.			
8000FH-07		Check the attachment bracket main landing gear the inner surface of 500.0202.0440.000, 500.0202.3410.000, 500.0202.0170.000, 500.0202.0420.000, 500.0202.0040.000 for ring rust.			

8000FH-08		Install the following items on the helicopter: - main gearbox with main rotor mast - main engines - auxiliary engine - servo system PC-60F - kudders - tail plane and fins - components parts of the nose and main undercarriages fire extinguisher bottles - hydraulic tanks - external load suspension cover plate in the cargo compartment			
8000FH-09		Fill the hydraulic system with hydraulic fluid			
8000FH-10		Fill the helicopter with fuel and oil			
8000FH-11		Perform internal and external de-preservation of engines and gearbox			

4.18. 8000 FH /10 YEARS SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
8000/10-01		Remove the following items from the helicopter: - Main rotor blades - Hydraulic pumps НП-92А-5 - Fan			
8000/10-02		Perform occasional 600-hours regulation operations.			
8000/10-03		Clean and wash the helicopter, its components parts, compartments, instrument panels, oil coolers etc.			
8000/10-04		Inspect 500.5930.0411.000 covers in 500.5910.0410.000 knot (it situates between 5 and 6 frames). Replace old and damaged covers.			Replace old and cracked parts
8000/10-05		check condition and attaching of electric braids and sockets in engine nacelle;			
8000/10-06		check condition and attaching of electric braids and sockets in engine nacelle;			
8000/10-07		check condition and attaching of electric braids and sockets in flight and transport compartments			
8000/10-08		check condition and attaching of electric equipment, electric braids and sockets in tail boom and tail unit			

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
8000/10-09		check condition and attaching of electric braids and sockets in cargo compartment;			Perform operation during repair and removing only.
8000/10-10		Measure resistance between metallize ends and AO P30 units			Perform operation during repair and removing only.
8000/10-11		Measure minus cord resistance between Â«bodyÂ» and cord end;			Perform operation during repair and removing only.
8000/10-12		Measure resistance of feeder isolation and AO 1,1 P3O high voltage cords on their clearing results.			Perform operation during repair and removing only.
8000/10-13		Check ball bearing condition in rods and helicopter control system bell crank. Make sure: - protective washers deformation absence, - bearings turn easily, - big backlash absence.			Note. Perform bearing inspection in rods and bell cranks, optionally removed in every control channel: longitudinal, lateral, directional and common pitch control.
8000/10-14		. Check OTCYTCTB"1e thread precipice and ragging absence along engine control cords and screw brake. Replace faulty cords.			
8000/10-15		Evaluate founded failures.			

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
8000/10-16		Perform helicopter parts and components, listed in Table 4 of the current subsection and in Table 2 of 05-10-00 subsection in KA32A 11 BC-MSM-000, replacing			
8000/10-17		Install the following items on the helicopter: -Main rotor blades -Hydraulic pumps НП-92А-5 -Fan			
8000/10-18		Inspect the helicopter paying special attention to places in which assembly-disassembly and adjustment works were performed.			
8000/10-19		Perform internal and external de-preservation of engines and gearbox.			
8000/10-20		Perform test run-up of the helicopter engines, gearbox and helicopter systems.			
8000/10-21		Perform preflight preparation.			
8000/10-22		Perform the helicopter test flight.			
8000/10-23		Record performed works and helicopter approval for operation in the helicopter logbook.			

4.19. 16000 FH SCHEDULE MAINTENANCE CHECK

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
16000FH-01		Perform inspections, checks, and works carried out during 8000- hour inspection check (05-20-21, Table 1) NOTE: Do not perform works as per items 11.7,13 and 22 of Table 1, subsection 05-20-21			
16000FH-02		Demount and remove helicopter control system from the helicopter drawing 323.5000.0000.000			
16000FH-03		Inspect and estimate technical condition of helicopter control system drawing 323.5000.0000.000			
16000FH-04		Inspect and estimate technical condition of brackets fitted on fuselage elements, If necessary, demount some brackets			
16000FH-05		Check condition of bearings in rods and bell cranks of helicopter control system and make sure that protective washers are free from deformation, easy to turn and crank and have no excess play. Inspect bearings in all rods and bell cranks selectively demounted in each control channel: In longitudinal, lateral, directional and collective pitch control channels			
16000FH-06		Replace bearings with excess play, stiff rotation, crackling.			
16000FH-07		Replace parts with traces of wear, deep corrosion, cracks or deformations			
16000FH-08		Mount and install helicopter control system on the helicopter drawing 323.5000.0000.000			
16000FH-09		Perform mandatory replacements of airframe component parts, inspections and measurements in accordance with the lists given below in Tables 2, 3, 4, 5 and 6 of the present subsections			
16000FH-10		Perform the helicopter test flight			

4.20. 6000 FH / 20 YEAR SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
16000FH/10-01		A) Operations, represented in current Supplement, perform after 16000: t4oo flight hours or after 20"'1 years helicopter operation, but not later than 10+1 years since 8000-hours checklist. This checklist represented in Table 1. Operations include necessary checking, inspections, measures, checks by non-destructive meanings, as well as helicopter components and lubricating materials, represented in Tables 2,3,4,5,6			
		WARNING! Perform replacing of helicopter hydraulic system hoses according to Table 2 taking into account 05-10-00 subsection requirements of KA32T-MSM-000. WARNING! Performing works, on 20"'1 years helicopter operation reaching and flight hours less than 16000, it is allowed not to perform operations presented in Tables 4 M 6. In this case, operations in Tables 4 M 6 must be performed after 16000: t4oo flight hours reaching.			
		B) Operations, presented in current section, perform under developer control. C) Lists of helicopter components and its systems, must be replaced, presented in Table 2 of current subsection as well as 05-10-00 subsection of KA32T-MSM-000. D) List of parameters to control, presented in Table 3. E) List of helicopter components, must be checked by non-destructive meanings, presented in Table 4. F) List of checking transition metallize resistance knots, represent in Table 5. G) List of knots and parts, must be measured, presented in Table 6.			

4.21. 50 FH LUBRICATION INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
L50FH-01		Lubrication - Moving joints of wipers actuating mechanisms		1	
L50FH-02		Lubrication - Rotor mast components: blade driving elements		5	
L50FH-03		Lubrication - Control linkage parts		1-5	
L50FH-04		Lubrication - Rotor mast components: bearings of upper swash plate assembly		5	
L50FH-05		Lubrication - Rotor mast components: bearings of lower swash plate assembly hinge joint		5	
L50FH-06		Lubrication - Rotor mast components: bearings of lower swash plate assembly		5	
L50FH-07		Lubrication - Rotor mast components: bearing of lower swash plate assembly hinge joint		5	
L50FH-08		Lubricate - Rotor mast components: upper hinges of lateral and longitudinal tilt rods of lower swash plate assembly		5	
L50FH-09		Lubricate - Rotor mast components: collective and differential pitch mechanism		5	
L50FH-10		Lubricate - Rotor mast components: bearings of lower rotor pendulum		5	

4.22. 100 FH LUBRICATION INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
L100FH-01		Lubrication - Hinge joints of fuselage nose section lifting (lowering) hydraulic system		2	
L100FH-02		Lubrication - Main landing gear universal joints		2	
L100FH-03		Lubrication - Nose landing gear steering bushes and rollers		2	
L100FH-04		Lubrication - Nose landing gear torque links joints		2	
L100FH-05		Lubrication - Rod faces of main and nose landing gear strut rods		2	
L100FH-06		Lubrication - Rotor mast components: blade driving elements links (shackles)		5	
L100FH-07		Lubrication - Rotor mast components: bearings of slider bell cranks;		5	
L100FH-08		Lubrication - Rotor mast components: rod hinge joints of static adjustment		5	
L100FH-09		Lubrication - Rotor mast components: bearings of upper swash plate assembly hinge joint		5	
L100FH-10		Lubrication - Rotor mast components: hinge joints of swash plate assembly coupling rods		5	
L100FH-11		Lubrication - Rotor mast components: bearings of lower swash plate assembly		5	
L100FH-12		Lubrication - Rotor mast components: bearing of upper rotor shaft upper support		5	

L100FH-13		Lubricate - Rotor mast components: bearings of universal joint of lower swash plate assembly		5	
L100FH-14		Lubricate - Rotor mast components: lower hinges of lateral and longitudinal tilt rods of lower swash plate assembly		5	
L100FH-15		Lubricate - Rotor mast components: bearing of differential collective pitch bell crank		5	
L100FH-16		Lubricate - Rotor mast components: hinge of differential collective pitch rod		5	
L100FH-17		Lubricate - Hinge joints of engine control linkage rod bearings		4	
L100FH-18		Lubricate - Hinge joints of throttle-roller assembly and rod for rotor brake		4	
L100FH-19		Refilling - Main engine oil system NOTE: Replace oil at least once a year.		4	
L100FH-20		Refilling - Main gearbox oil system NOTE: Replace oil at least once a year. Gearbox oil shall be sampled in every (60 ±7) days		4	

4.23. 300 FH LUBRICATION INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
L300FH-01		Lubrication - End pieces of servo system rods		4	
L300FH-02		Landing gear bolted joints		2	
L300FH-03		Lubrication - Steering bush lever rollers of nose landing gear shock struts and “shimmy" dampers driving arms		2	
L300FH-04		Lubrication - Auxiliary engine mounting attachment fittings		4	
L300FH-05		Lubrication - Rollers and bearings of door upper and lower tracks, moving parts of door retainers, handles and locks		1,2	SEE SEASONA NOTE (LUBRICATION) - L06
L300FH-06		Lubrication - Moving parts of door emergency release mechanisms and emergency exit door cover		2	
L300FH-07		Lubrication - Attachment fittings of horizontal stabilizer, vertical stabilizers, hinge fittings of rudders and attachment fittings of stabilizer struts		3	
L300FH-08		Lubricate - Rotor mast components: shaft splines above upper slider (slider is in lower position)		5	
L300FH-09		Lubricate - Rotor mast components: shaft under upper slider (slider is in upper position)		5	
L300FH-10		Lubricate - Rotor mast components: upper end of upper swash plate assembly sleeve		5	
L300FH-11		Lubricate - Rotor mast components: shaft above lower slider (slider is in lower position)		5	

L300FH-12		Lubricate - Main engine mount attachment fittings		4	
L300FH-13		Lubricate - Fan attachment fittings		4	
L300FH-14		Lubricate - End fittings, turnbuckles, and cables except contact places with rollers		4	
L300FH-15		Lubricate - Main gearbox attachment fittings		4	
L300FH-16		Lubricate - Cables and rollers of rotor brake control linkage		4	
L300FH-17		Lubricant replacement - Main engine oil system NOTE: Replace oil at least once a year.		4	
L300FH-18		Refilling and Lubricant replacement - Air starters autonomous lubrication system		4	
L300FH-19		Lubricant replacement - Main gearbox oil system NOTE: Replace oil at least once a year. in every Gearbox oil shall be sampled (60 ±7) days		4	
L300FH-20		Refilling and Lubricant replacement - Rotor mast flapping and feathering hinges			SEASONAL SEE NOTE

4.24. 600 FH LUBRICATION INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
L600FH-01		Lubrication - Bearing assemblies of ГТ40ПЧ8Б generators		3	
L600FH-02		Lubrication - Moving elements of pilot's and co-pilot's seats vertical displacement (lifting and lowering) Lubrication - Operator’s seat pedestal bearing		1	
L600FH-03		Lubrication - Operator’s seat pedestal bearing		1	
L600FH-04		Lubricate and Lubricant Replacement - Fan shaft bearings		4	
L600FH-05		Lubricate and Lubricant Replacement Fan wheel shaft cavity. NOTE: This operation shall be performed after replacement of gearbox, fan or fan drive shaft		4	
L600FH-06		Lubricate - Assemblies and parts of external load sling		2	

4.25. LUBRICATION AND REFILLING (Seasonal and On Conditional)

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
LSEA-01		Lubrication - Bearings of main and nose landing gear wheels		2	SEE SEASONAL NOTE (LUBRICATION) L- 10
LSEA-02		Lubrication - Rubber seal of emergency exit door cover		2	SEE SEASONAL NOTE (LUBRICATION) - L11
LSEA-03		Refilling and Lubricant replacement - Auxiliary engine oil system			SEASONAL SEE NOTE
LON-01		Dry Gas Hydraulic accumulator		4	SEASONAL SEE NOTE
LON-02		Dry Gas and Refilling - Main landing gear shock struts		2	SEASONAL SEE NOTE
LON-03		Dry Gas-Landing gear wheels		2	

NOTE: Seasonal work is to be done with period of (180±20) days if helicopter operations in those regions are not affected by the Conditions described in paragraphs 3.A.1 and 3.A.2 of Section 05-20-30.

4.26. 750 FH SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI750FH-01		Check condition of hot end when replacing compressor turbine with the nozzle guide vanes stage II and fuel manifold	Supplement to Bulletin No. K78-005-БЭ/БД (H78M-113 БЭ/БД)	4	Replace flame tubes CA1 and 3 on condition

4.27. 2 MONTH SPECIAL INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI2MO-01		Drain oil sediment from flapping hinges and replenish oil	62-20-00, Maintenance, items 2, 4.8(2)	5	
SI2MO-02		Gearbox oil shall be sampled in every (60 ±7) days	12.10.00 Maintenance	5	

4.28. 3 MONTHS SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI3MO-01		Remove main and reserve storage batteries (if the reserve storage battery is available) from the helicopter and send them to charging station for maintenance according to MM and MS	24-31-00, Maintenance, item 1	1	

4.29. 12 MONTHS SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI12MO-01	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Check external condition of units БСПИ-2-02, ЗБН-2М, ПУИ-2М	РПИ-2-02 ММ 031.31.00, № 204		
SI12MO-02	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Check automatic switching on of record of РПИ-2-02 article	РПИ-2-02 ММ 031.31.00, № 209		
SI12MO-03	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Check ПАМ-6К	РПИ-2-02 ММ 031.31.00, № 206		
SI12MO-04	023-23-00 - EMERGENCY RADIO BEACON АРМ-406П	Inspect radio beacon АРМ-406П and check its functioning and serviceability with the use of КС tester Т-406 (Т-406Н)	АРМ-406П ММ № 3, 7, 9		

SI12MO-06		Check adjustment of brake system and wheels brake torque	32-50-00, Maintenance, item 1	1	
SI12MO-07		depending on what installed on the helicopter: a) for power supply elements ЭП-09: inspect them visually to verify absence of mechanical damages to the body and electrolyte leakage, b) for НКГ-1.5У1.1 storage battery: remove them from helicopter and ship to charging station to perform periodic test cycle, - measure open circuit voltage, - carry-out charge-discharge cycle using current of rating as given in Subsection 33-30-01 «Emergency light, - maintenance practices»	a)33-30-01, Maintenance, item 3	2	
SI12MO-11		Main Engine Oil System Replace oil	12.10.00 Maintenance		(300 FH or at least once a year)
SI12MO-12		Main Gear Box Oil System Replace Oil	63.21.00 Maintenance Item 3		(300 FH or at least once a year)
SI12MO-13		Oil the 2Wc20 GOST 3635-78 hinge bearing	25-52-00 Maintenance Item 2, B (5)		External cargo load underweight or every 12 months without weight

4.30. 24 MONTHS SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI24MO-01	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Blow off, wear and lubricate electrical connectors СНЦ one time every two years	РПИ-2-02 ММ 031.31.00, № 204		
SI24MO-02	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Perform calibration of measuring paths, check pass of event command and audio information.	31.30.00 Maintenance, item14, РПИ-2-02 ММ 031.31.00, №210		
SI24MO-03		Remove tires of main and nose wheel, inspect outer and inner surfaces of hubs for corrosion	32-41-00, Maintenance items 3, 4; 32-42-00, Maintenance, items 3, 4	2	

4.31. 2 YEARS SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI3Y-01	023-23-00 - EMERGENCY RADIO BEACON АРМ-406П	Accomplish preventive maintenance operations and check serviceability of radio beacon АРМ-406П.	АРМ-406П ММ № 5		

4.32. 5 YEARS SPECIAL INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI5Y-01	023-23-00 - EMERGENCY RADIO BEACON АРМ-406П	Check technical parameters of radio beacon АРМ- 406П with the use of КС tester Т-406Н.	АРМ-406П ММ № 10 or №2	2	At absence of conditions for measurement remove the radio beacon and send it to manufacture plant.

4.33. SPECIAL INSPECTION (ON CONDITION)

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI-01	023-23-00 - EMERGENCY RADIO BEACON APM-406П	Replace unit of autonomous supply APM-043.	Replacement age of supply unit APM-043 is indicated on its casing. APM-406П ММ № s	2	

4.34. SEASONAL INSPECTION Inspections Performed in Preparation for Operation in Spring/Summer Period

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SEAI-01		Set fan variable guide vanes to position provided for summertime	71-81-00, item 4	4	
SEAI-02		Provide for air blowing of hydraulic pumps, for this remove covers from louvers of engine nacelle side panels	54-22-00, Description, item E	4	
SEAI-03		Remove from helicopter plenum ventilation caps, warming covers from hydraulic system tanks and pipelines, cover from engine nacelle cowl, covers from fan compartment left and right panels	21-30-00, Maintenance, item 1	4	
SEAI-04		Install flight compartment plenum ventilation air scoops on helicopter	21-30-00, Maintenance, item 1	4	
SEAI-05		Check charging of hydraulic accumulators with nitrogen	29-00-04, Maintenance, item 1	4	
SEAI-06		Check operation of auxiliary hydraulic system from manual hydraulic pump	29-20-00, Maintenance, item 1	2	
SEAI-07		Check charging of main and nose landing gear shock struts with nitrogen	32-11-00, Maintenance, item 1; 32-21-00, Maintenance, item 1	2	

SEAI-08		Check nose landing gear shock strut steering collar lever roller for smooth engagement with damper lever	32-21-01, Maintenance, item 1	2	
SEAI-09		Check servicing (filling) of damper with working fluid	32-21-01, Maintenance, item 2	2	
SEAI-10		Check operation of lifting and lowering system of fuselage tail and nose sections	32-00-00, Checking/ Troubleshooting, item 1	2	
SEAI-11		Replace oil in feathering and flapping hinges of rotor hubs and check for steel chips absence in oil drained from flapping and feathering hinges	62-20-00, Maintenance, item 4	5	
SEAI-12		Drain condensate from traps of engines power equalization system pipelines	71-90-00, Maintenance, item 2	4	
SEAI-13		Check tension of engine control linkage cables	76-11-00, Maintenance, item 3	4	
SEAI-14		Check tension of rotor brake control linkage cables	63-25-00, Maintenance, item 2	4	

4.35. SEASONAL INSPECTION Inspections Performed in Preparation for Operation in Autumn/Winter Period

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SEAI-15		Set fan variable guide vanes in position provided for wintertime	71-81-00, item 4	4	
SEAI-16		Cancel air blowing of hydraulic pumps, for this install covers on louvers of engine nacelle side panels	54-22-00, Description, item E	4	
SEAI-17		Remove flight compartment plenum ventilation air scoops from helicopter	21-30-00, Maintenance, item 1	4	
SEAI-18		Install on helicopter plenum ventilation caps, warming covers on hydraulic system tanks and pipelines, cover on engine nacelle cowl, covers on fan compartment left and right panels	21-30-00, Maintenance, item 1	4	
SEAI-19		Check charging of hydraulic accumulators with nitrogen	29-00-04, Maintenance, item 1	4	
SEAI-20		Check operation of auxiliary hydraulic system from manual hydraulic pump	29-20-00, Maintenance, item 1	2	
SEAI-21		Check charging of main and nose landing gear shock struts with nitrogen	32-11-00, Maintenance, item 1; 32-21-00, Maintenance, item 1	2	

SEAI-22		Check nose landing gear shock strut steering collar lever roller for smooth engagement with damper lever	32-21-01, Maintenance, item 1	2	
SEAI-23		Check operation of lifting and lowering system of fuselage tail and nose sections	32-00-00, Checking/ Troubleshooting, item 1	2	
SEAI-24		Replace oil in feathering and flapping hinges of rotor hubs	62-20-00, Maintenance, item 4	5	
SEAI-25		Drain condensate from traps of engines power equalization system pipelines	71-90-00, Maintenance, item 2	4	
SEAI-26		Check tension of engine control linkage cables	76-11-00 Maintenance, item 3	4	
SEAI-27		14 Check tension of rotor brake control linkage cables	63-25-00, Maintenance, item 2	4	

4.36. 25 FH ENGINE SCHEDULE INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E25FH-01		Measurement of the wear of the compressor rotor stage one blades - if the wear is from 1.5 to 2mm.	Book 1 07230.00 T.C. No. 202		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings.
E25FH-02		Inspection and cleaning of starting regulator and acceleration regulator air orifices with adapters	Book 2 073.12.05 T.C. No. 603		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings
E25FH-03		Inspection and flushing of the air starter filter	Book 2 080.12.00 T.C. No. 203		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings

4.37. 50 FH ENGINE SCHEDULE INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E50FH-01		Measurement of the wear of the compressor rotor stage one blades - if the wear is from to 1 to 1.5 mm.	Book 1 072.30.00 T.C. No. 202		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings.
E50FH-02		Analysis of engine operational parameters with reference to flight data recorder	Book 3 072.00.00 T.C. No. 610		
E50FH-03		Inspection and cleaning of starting regulator and acceleration regulator air orifices with adapters	Book. 2 073.12.05 T.C. No. 603		
E50FH-04		Inspection and flushing of the air starter filter	Book 2 080.12.00 T.C. No- 203		
E50FH-05		Inspection and flushing of_ the fuel control unit air filter	Book 2 073.12.05 T.C. No. 602		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings.
E50FH-06		Cleaning of the engine flow duct NOTE: Operation should be performed under conditions specified in T.C. No. 705.	Book 1 072.00.00 T.C. No. 705		

4.38. 100 FH ENGINE SCHEDULE INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E100FH-01		Measurement of the wear of the compressor rotor stage one blades - if the wear is up to 1 mm	Book 1 07230.00 T.C. No. 202		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings
E100FH-02		inspection and flushing of oil filter	Book 1 072.90.02 T.C. No. 202		
E100FH-03		inspection and flushing of protective filter line scavenging oil from 4th and 5th support assemblies	Book 1 072.90.00 T.C. No. 204		
E100FH-04		Chip detector inspection, flushing and operation check	Book 1 072.90.13 T.C. No. 201		
E100FH-05		Replacement (inspection and flushing) of fuel filter element NOTE. This operation is also performed after first 25 flight hours (+2, -2hours) and after a replacement of the helicopter fuel tank (tanks).	Book 2 073.11.04 T.C. No. 205		
E100FH-06		Check of the fuel filter pressure drop adjustment	Book 2 073.11.04 T.C. No. 206		

E100FH-07		Inspection and flushing of the control unit fuel filters	Book 2 073.12,05 T.C. No. 604		
E100FH-08		Inspection and flushing of the - ИМ 3А actuator filter	Book 2 073.16.10 T.C. No. 205		
E100FH-09		Inspection and flushing of the fuel control unit air filter	Book 2 073.12.05 T.C. No. 602		
E100FH-10		Bleeding air from the fuel system	Book 2 073.12.05 T.C. No. 303		
E100FH-11		Check of the engine/main gear box alignment	Book 1 072.00.00 T.C. No. 606		
E100FH-12		Check of the exhaust extension pipe clamp tightening. NOTE. Check is carried out after removal and situation of clamp, after the first flight and after the first 5+,-1 flight hours of the Helicopter	1. Helicopter MM 2. Book 1 072.58.00 T.C. No. 204		
E100FH-13		Inspection and check of the electronic engine governor	Book 3 073.15.04 T.C. No. 204		
E100FH-14		Thermocouple circuit impedance check at terminals PT-12-6	Book 1 072.00.00 T.C. No. 402 item 8.5		
E100FH-15		Short circuit check between the thermocouple channel and the engine casing	Book 1 072.00.00 T.C. No. 607		

E100FH-16		Engine test after scheduled maintenance	Book 1 072.00.00 T.C. No. 507		
E100FH-17		Check of sealing - oil filter	Book 1 072.00.00 T.C. No. 507, 603		
E100FH-18		Check of sealing - fuel filter	Book 1 072.00.00 T.C. No. 507, 603		
E100FH-19		Check of sealing - fuel control unit fuel filters	Book 1 072.00.00 T.C. No. 507, 603		
E100FH-21		Inspection of the engine flow section	Book 1 072.00.00 T.C. No. 608		
E100FH-22		Inspection of the engine flow duct	Book 1 072.00.00 T.C. No. 608		A frequency of work performance when operating at low altitudes with the presence of heavy dust and sand
E100FH-23		Ejector orifice cleaning with blowing through air duct	Book 2 073.02.00 T.C. No:202		A frequency of work performance when operating at low altitudes with the presence of heavy dust and sand
E100FH-24		Engine technical condition evaluation NOTE. Measurement of wear of the MH0-78 oil pump block shaft and rotational speed transducer extension, as well as check of the vertical flexible shaft shall be performed beginning from 700 operating hours	Book 3 072.00.00 T.C. No:609		100 (beginning from 300 operating hours)

4.39. 300 FH ENGINE SCHEDULE INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E300FH-01		Ejector orifice cleaning with the flowing through air duct	Book 2 073.02.00 T.C. No. 202		
E300FH-02		Replacement of oil in the engine oil system and the air starter	1.Helicopter MM 2. Book 2 080.12.00 T.C. No. 205		
E300FH-03		Check adjustment of PT-12-6 temperature regulator using ПКРТ- 27 panel	Helicopter MM		
E300FH-04		Compressor guide vane installation angle check	Book 1 072.00.00 T.C. No. 512		
E300FH-05		Check of sealing - plug of oil filling and drain in air starter	Book 1 072.00.00 T.C. No. 507, 603		
E300FH-06		Inspection of the engine flow duct	Book 1 072.00.00 T.C. No. 608		
E300FH-07		Inspection of the technical conditioning of the external horizontal shaft (EHS)	Book 1 072.60.00 T.C. No. 202		300 FH (beginning from 600 operating hours]
E300FH-08		Engine technical condition evaluation	Book 3 072.00.00 T.C. No. 609		Annex No. 5 of bulletin -No. К78-029 БЭ/БД (Н78М- 130 БЭ/БД)
E300FH-09		Check of actuation of the power synchronizer emergency cut-out control valve of the FCU	Book 1 072.00.00 T.C. No. 522		SB No. К78-073 БЭ/БД

4.40. 750 FH ENGINE SCHEDULE INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E750FH-01		Check of engine "hot section" condition with replacement of the compressor turbine with the NGV2 and the fuel manifold and check of the hot section condition. NOTE: The compressor turbine with the NGV2, the fuel manifold is subject to the mandatory replacement by the new ones with no operating time. Flame Tube, NGV1 and 3 are replaced depending on their technical condition.	Light overhaul procedure 078.00.4300BC-T46 or Light overhaul manual 0780000000-80 PC		Annex No. 4 of bulletin -No. К78-029 БЭ/БД (Н78М- 130 БЭ/БД)

4.41. 1 YEAR ENGINE SCHEDULE INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E1Y		Change of oil in the engine and air starter	Helicopter MM 2. Book 2 080.12.00 T.C. No. 205		

4.42. APU Each 500 Switching's (Starts)

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
APU500S		Inspect, after 500 switching (starts of APU) the commutator-and- brush assembly of the electric starter.	(A-1-9) A И-9 MM 6.2.4 Item 1		

4.43. APU at Each 200 Main Engine Hours

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
APU200H		When the main engine reaches 200 hours and multiples of 200 hours inspect the contact of the ignition coil.	(A-1-9) A И-9 MM 6.2.4 Item 2		