PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : **Inspection 100FH&EI-011@900 FH**	No.	WO/082A-PK-SNX/VIII/2023
	Date	25-Aug-2023
	A/C Reg.	PK-SNX EC130T2-8829
Reference : MP EC 130 T2 Rev. 2	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Inspection 100FH&EI-011 @900 FH
2. Make an entry in Maintenance Log.
3. Return the Completed Work Order and Form to PPC.

#If any finding, please close the routine card, and transferred to inspection card.

Additional Work :

Compliance Statement	Sign & Date Company Lic. No.: (Engineer In Charge)	Signature (Technical Manager)

AIRCRAFT CHECK WORK SUMMARY
(Form: SCA/MTC/051)

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
25-AUGUST-2023	WO/082A-SNX/VIII/2023	Inspection 100FH &EI-011	

A/C Type	Mfg. Serial Number	A/C Registration
EC 130 T2	8829	PK-SNX

AIRCRAFT DATA

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	53467	
	#2	-	
Propeller/Rotor	#1	-	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		

PACKAGE COVERED

No	Subject	Qty	Remark
1	Non-Routine Card	-	
2	Inspection Card	1	
3	Work Order	1	
4	Summary Inspection List	1	
5	Material and Tool List	1	
6	Escalation form	-	
7	CRS (SMI / Unscheduled Maintenance)	-	

INSPECTION CARD (IC) LIST (Finding during maintenance)

No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
IC-001					
IC-002					
IC-003					
IC-004					
IC-005					
IC-006					

IC-007					
IC-008					
IC-009					
IC-010					
IC-011					
IC-012					
IC-013					
IC-014					
IC-015					

Prepared by :	Checked by :	Verified by :	Approved by :
Technical Support	Chief Maintenance	Chief Inspector	Technical Manager
Hani	Dodit	Yanuar	Istiono

SUMMARY INSPECTION ITEMS
(Form: SCA/MTC/050)

WO Ref: **WO/082A-PK-SNX/VIII/2023**

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	Appendix C011	Specific Periodic Inspection 12 Months // 100 OPH				
2	Appendix F004	ALS Inspection 100 Hours				
3	EI-011/ TEK-TS/ II/2022	Visual Inspection of rear transmission bearing support – ASB EC130-05A039				
4						
5						
6						
7						

PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: EC-130 T2	TTSN	:
A/C REG	: PK-SNX	TCSN	:
MSN	: 8829	DATE	:

TYPE OF INSPECTION : INSPECTION 100FH&EI-011
DUE AT : 900 FH
REFF : MP EC 130 T2 Rev. 2

EXCEPTION

AUTHORIZED PERSON

I hereby certify that this aircraft has been maintained accordance with CASR and Maintenance Program. Aircraft safe and airworthy for flight

NAME	CAT	AMEL/OTR NO	SIGN&STAMP	DATE
	AIRFRAME & POWER PLANT			
	EIRA			

THE NEXT DUE TYPE OF INSPECTION :

DUE AT :

Form: SCA/MTC/049

smartaviation	**INSPECTION CARD** **(Form: SCA/MTC/ 048)**	TECHNICAL DEPARTMENT

1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE
	c. WO/082-SNX/VIII/2023			
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
PK-SNX / 8829	**EC-130 T2**			
9. ZONE	10. STA	11. MTC TYPE		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
Performed at A/C TT : ..... A/C TC /LDG :			

20. CORROSION INFORMATION				
LOCATION		CAUSE OF DAMAGE		
		☐ Environment		
		☐ Internal Leakage		
CORROSION ☐ Isolated ☐ Widespread		☐ Chemical Spill		
CORROSION LVL ☐ 1 ☐ 2 ☐ 3		☐ LAV/Galley Spill		
PROPOSED ACTION ☐ Doublers		☐ Blocked Drain		
☐ Others		☐ Wet Insulation Blanket		
……..		☐ Other		
21. If the defect is RII, Please Sign this card finally by RII Inspector			INSP	DATE
NOTICE OF INSPECTOR				

22. PARTS REQUIRED						
PART DESCRIPTION	PART NO	QTY	SERIAL NO		STATUS	
			ON	OFF	CLOSE	OPEN

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS

Reg. Mark : PK - _____ Date : _____

MSN : _____ Station : _____

TSN / CSN : _____ WO No. : _____

ITEM CODE NO.	CHAPTER	TASK	SIGNATURE	
			ENGINEER SIGN & STAMP	RII SIGN & STAMP
65/11/00 /000/000 /165	65-11	**Center shaft section sleeves** 704A33-698-027 (-) Check GVI **AMM 65-11-00, 6-12**		
*** End of Appendix F004 Items ***				

PERSONNEL PRTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : _____ Place/Date : _____

Sign & Stamp : _____

Appendix C011 – Specific Periodic Inspection 12 Months // 100 OPH

Reg. Mark : PK - _____ Date : _____

MSN : _____ Station : _____

TSN / CSN : _____ WO No. : _____

ITEM CODE NO.	CHAPTER	TASK	SIGNATURE	
			ENGINEER SIGN & STAMP	RII SIGN & STAMP
25/91/00 /000/000 /060	25-91	**Cargo sling installation** Check and functional test. OPH = Operating hours logged with underslung loads. GVI|FT **AMM 25-92-00, 6-1**		
*** End of Appendix C011 Items ***				

PERSONNEL PRTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : _____ Place/Date : _____

Sign & Stamp : _____

NON ROUTINE CARD
(Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/082A-PK-SNX/VIII/2023	**25 AUGUST 2023**	**INSPECTION**	**PK-SNX/8829**
5. CARD #	6. ATA SPEC	7.TRADE	8. STA
01	**-**		
9. ZONE	10. PANEL	-	

11. DESCRIPTION

PERFORM EI-011/TEK-TS/II/2022 VISUAL INSPECTION OF THE REAR TRANSMISSION BEARING SUPPORT ASB EC130-05A039

REFERENCE	☐ Engine Maintenance Manual	☒ ASB EC130-05A039	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT				MECH	ENG	INSP (*)
Performed at A/C TT : ..... A/C TC /LDG :						
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #						

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

ENGINEERING INSTRUCTION

011/TEK-TS/II/2022

VISUAL INSPECTION OF THE REAR TRANSMISSION BEARING SUPPORT ASB EC130-05A039

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	**Technical Manager**	**Chief Inspector**
Signature: 	Signature: 	Signature: 
Name: Gusril Pane	Name: Istiono	Name: Yanuar A. Fatah
Date: 10 Feb 2022	Date: 10 Feb 2022	Date: 10 Feb 2022

- INTRODUCTION

The purpose of this ALERT SERVICE BULLETIN is to do, as a first precautionary measure, a repetitive visual inspection of:

- The rear transmission bearing support
- The frame and the skin in the area of the bearing support.

Based on investigation outcomes, additional measures can follow:

Revision 2:
Following Revision 0 and Revision 1 of this ALERT SERVICE BULLETIN no cases of missing, lose or sheared rivet and no cases of crack was reported to Airbus Helicopters.
This in-service feedback in addition to flight tests performed by airbus helicopters validate an increase of the inspection interval of this ALERT SERVICE BULLETIN.
Therefore, the function of Revision 2 of this ALERT SERVICE BULLETIN is to increase the inspection interval from every ALF to every 10 Flight Hours (FH).
Revision 2 of this ALERT SERVICE BULLETIN has no effect on the execution of the previous Revisions of this ALERT SERVICE BULLETIN.

SMART AVIATION
ENGINEERING INSTRUCTION

Aircraft Reg.:	Make/Model:	No. EI:	Rev. No.:
PK-SNX	EC130T2	011/TEK-TS/II/2022	Original

Total Flight Hours:	Total Flight Cycle:	Date Issued :
		10 Feb 2022

Task Description :

VISUAL INSPECTION OF THE REAR TRANSMISSION BEARING SUPPORT ASB EC130T2-05A039

Technical Data Reference :

- ASB EC130-05A039

Effectivity:

EC130T2 POST MOD 074581

SMART AVIATION
ENGINEERING INSTRUCTION

1. Description.

The purpose of this ALERT SERVICE BULLETIN is to do, as a first precautionary measure, a repetitive visual inspection

- The rear transmission bearing support
- The frame and the skin in the area of the bearing support

The function of Revision 2 of this ALERT SERVICE BULLETIN is to increase the inspection interval from every ALF to every 10 Flight Hours (FH).

Revision 2 of this ALERT SERVICE BULLETIN has no effect on the execution of the previous Revisions of this ALERT SERVICE BULLETIN.

1. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNX	8829

DISTRIBUTION :

TECHNICAL MANAGER	[√]	MATERIAL SUPPORT	[√]
SAFETY & QUALITY MANAGER	[√]	TECHNICAL SUPPORT	[√]
CHIEF INSPECTOR	[√]	FILE	[√]

2. Compliance.

7 Days after date released, and repetitive 10 Hrs after.

3. Man- Hours.

1 Mechanical Technician
or 1 Pilot with the correct training and accreditation in compliance with the local maintenance regulations in force, for compliance with paragraph 3. except the paragraph 3.B.2.c.
or 1 pilot-owner of the helicopter for compliance with paragraph 3.,
except the paragraph 3.B.2.c. : refer to EASA regulation and
part M.A.803 Appendix VIII (List of inspections that can be done by a pilot-owner) or to equivalent local regulations.

4. Material.

None. (Requirement of Defect – attached)

SMART AVIATION
ENGINEERING INSTRUCTION

5. Tools Required.

Light Source Cutter

6. Publications Affected.

None.

7. Accomplishment Instructions.

Description	Eng.	RII	Remarks
Visual inspection of the upper bearing support area (Figure 3, Details D, E and F)			
- Make sure that there is no missing, loose or sheared rivet (b) or (d) on the rear transmission bearing support (a) with the light source.		N/A	
- Make sure that there is no visible cracks on the skin in the rivets areas with the light source.		N/A	
Visual inspection of the lower bearing support area (Figure 3, Detail B)			
- Make sure that there is no missing, loose or sheared rivet (b) on the rear transmission bearing support (a) with the light source.		N/A	
- Make sure that there is no visible cracks on the frame and on the skin in the rivets areas with the light source.		N/A	
NOTE: 1. If there is no missing, no loose and no sheared rivet and no crack continue to final step 2. If there is at least one missing, loose or sheared rivet order to Airbus 3. If there is a crack, Stop the flights, and inform Airbus Helicopters		N/A	
- Close and lock the battery door.		N/A	
- Close and lock the tailboom fairing.		N/A	
- Remove appropriate access equipment. - Continue the flights.		N/A	
*** END OF THE TASK ***			

SMART AVIATION
ENGINEERING INSTRUCTION

RETURN TO SERVICE

I hereby certify that the aircraft has been inspected regarding the CAL-61-05 with applicable supported approved data and met the requirements as set forth with the Indonesia Civil Aviation Safety Regulation and it is approved for return to service.

Name : _____

Signature : _____

- END -

Attachment Material If Required:

2.C. EQUIPMENT OR PARTS REQUIRED PER HELICOPTER/COMPONENT

Equipment or parts to be ordered separately:

Key Word	Qty	New P/N	Item	Old P/N →	Instruction
Rivet	AR	ASNA2049DCJ3208	1	ASNA2049DCJ3208	Replace if necessary
Rivet	AR	21215DC3209J	2	21215DC3209J	Replace if necessary

Consumables to be ordered separately:

As per Work Cards and Tasks indicated in this ALERT SERVICE BULLETIN and list below:

Key Word	Qty	P/N	CM	Item
Plexiglass protection or equivalent	AR	Commercial	/	3

You can order the consumables from the AirbusWorld Marketplace through e-ordering (IN 3481-I-00).
If you cannot get access to e-ordering, please contact your Logistic Focal Point.

Special tools:

Refer to the Table below.

Key Word	Qty	Tool P/N or equivalent	Item
Light source	1	Off the shelf	zz
Cutter	1	Off the shelf	yy

Figure Attached:

3.B.2.c. Removal of the Teflon tape from the tailboom (Figure 1)

Only the LH side is described. Perform the RH side as per the same operational procedure.

CAUTION

PAY ATTENTION NOT TO DAMAGE THE TAILBOOM WITH THE CUTTER (yy).

- Unstick the Teflon tape (c) on the hatched area (A).
- Slip a protection (3) (not shown) between the Teflon tape (c) and the tailboom structure.

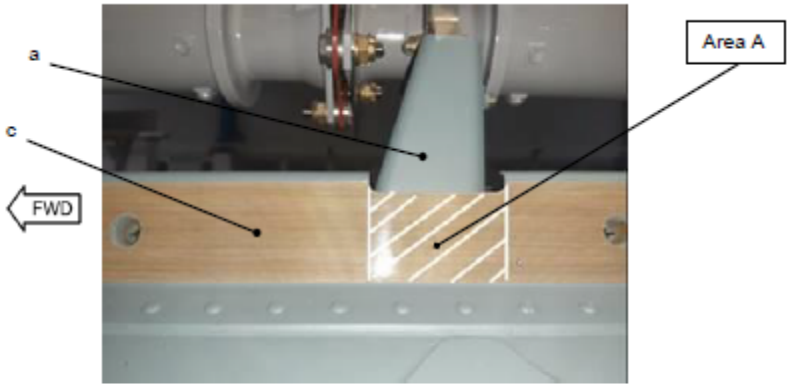

Figure 1

- Cut and remove the Teflon tape (c) on the hatched area (A) with the cutter (yy) (not shown).

3.B.2.d. Visual inspection of the rivets head of the rear bearing support under the Teflon tape (Figure 2)

Only the LH side is described. Perform the RH side as per the same operational procedure.

- Make sure that there is no missing, loose or sheared rivet (d) on the rear transmission bearing support (a) with the light source (zz).

NOTE 1

A loose rivet is a rivet with black mark or missing paint around the rivet head, refer to the Figure 2.

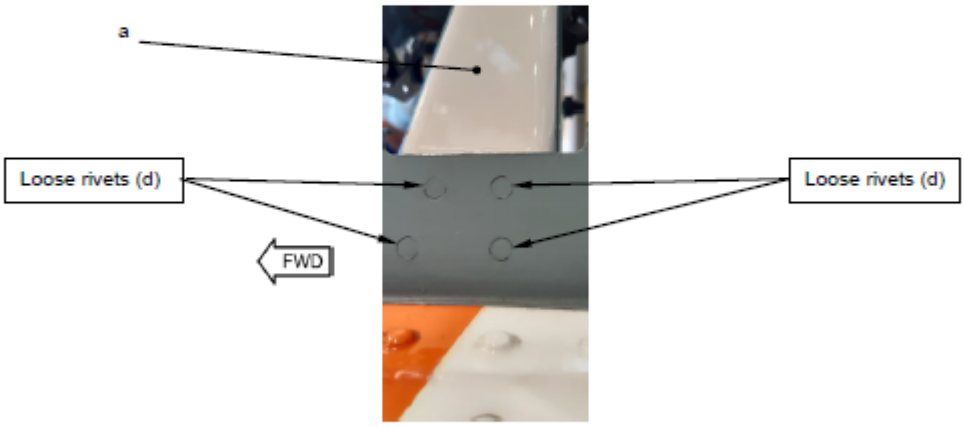

Figure 2

- Comply with paragraph 3.B.2.e.

Additional Work Sheet
100 FH Inspection And EI-011

Aircraft Registration: **PK-SNX**

WO# Nr: **WO/082A-PK-SNX/VIII/2023**

Parts Used Sheet

Special Tool Used

No.	Description	Due Date	Engineer

Additional Work Sheet
100 FH Inspection And EI-011

Aircraft Registration: **PK-SNX**

WO# Nr: **WO/082A-PK-SNX/VIII/2023**

Parts Used Sheet

Part Used

Date	Part Nr.	Serial Nr.	Description	Qty	Engineer