



PT. SMART CAKRAWALA AVIATION

**WORK ORDER**

Form: SCA/MTC/030

Subject :	No.	WO/082C-PK-SNX/VIII/2023
<b>Inspection 300 FH and Add Task EI-011</b>	Date	25-Aug-2023
	A/C Reg.	PK-SNX EC130T2-8829
Reference :	Prepared By	TS
MP EC 130 T2 Rev. 2	Checked By	CI
	Approved By	TM

To : Engineer In Charge

**Description :**

1. Perform Inspection 300 FH Add Task EI-011 Due at 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)
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**AIRCRAFT CHECK WORK SUMMARY**  
**(Form: SCA/MTC/051)**

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
25-AUGUST-2023	WO/082C-SNX/VIII/202	Inspection 300 FH and Add Task EI-011	
A/C Type		Mfg. Serial Number	A/C Registration
EC 130 T2		8829	PK-SNX
<b>AIRCRAFT DATA</b>			
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	1	
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	
<u>IC-001</u>					
<u>IC-002</u>					
<u>IC-003</u>					
<u>IC-004</u>					
<u>IC-005</u>					
<u>IC-006</u>					

<u>IC-007</u>					
<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					
<u>IC-011</u>					
<u>IC-012</u>					
<u>IC-013</u>					
<u>IC-014</u>					
<u>IC-015</u>					

Prepared by :  
Technical Support

Checked by :  
Chief Maintenance

Verified by :  
Chief Inspector

Approved by :  
Technical Manager



Hani



Dodit



Yanuar



Istiono



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

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

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	Appendix D004	Arriel 2D 300FH Inspection				
2	Appendix C015	Specific Periodic Inspection 300 FH				
3	EI-011/ TEK-TS/ II/2022	Visual Inspection of rear transmission bearing support – ASB EC130-05A039				



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 300 FH Add Task EI-011			
DUE AT	: 900 FH			
REFF	: MP EC 130 T2 Rev. 2			
EXCEPTION				
<b>AUTHORIZED PERSON</b> 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	:			
<b>Form: SCA/MTC/049</b>				



**INSPECTION CARD**  
(Form: SCA/MTC/048)

TECHNICAL  
DEPARTMENT

1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE
	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		
	<input type="checkbox"/> Environment		
	<input type="checkbox"/> Internal Leakage		
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread	<input type="checkbox"/> Chemical Spill		
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> LAV/Galley Spill		
PROPOSED ACTION <input type="checkbox"/> Doublers	<input type="checkbox"/> Blocked Drain		
	<input type="checkbox"/> Others	<input type="checkbox"/> Wet Insulation Blanket	
		<input type="checkbox"/> 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



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

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/082C-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	<input type="checkbox"/> Engine Maintenance Manual	<input checked="" type="checkbox"/> ASB EC130-05A039	<input type="checkbox"/> OTHER
RII (*)	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	MHR :

12. RESULT

FINDING	<input type="checkbox"/> Y	<input type="checkbox"/> N	ACT MHR :	MECH	ENG	INSP (*)
INSPECTION CARD (IC) #						

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING INSTRUCTION**

011/TEK-TS/II/2022

Rev. No	Original
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Rev. Date	16 Feb 2022
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## 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: A handwritten signature in black ink, appearing to read 'Gusril' followed by 'Pane'.	Signature: A handwritten signature in black ink, appearing to read 'Istiono'.	Signature: A handwritten signature in black ink, appearing to read 'Yanuar A. Fatah'.
Name: Gusril Pane	Name: Istiono	Name: Yanuar A. Fatah
Date: 10 Feb 2022	Date: 10 Feb 2022	Date: 10 Feb 2022



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING INSTRUCTION**

011/TEK-TS/II/2022

Rev. No	Original
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Rev. Date	16 Feb 2022
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• **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.



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING INSTRUCTION**

011/TEK-TS/II/2022

Rev. No. Original

Rev. Date 16 Feb 2022

**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 :		Technical Data Reference :			
<b>VISUAL INSPECTION OF THE REAR TRANSMISSION BEARING SUPPORT ASB EC130T2-05A039</b>		<ul style="list-style-type: none"><li>- ASB EC130-05A039</li></ul>			
Effectivity:					
EC130T2 POST MOD 074581					



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING INSTRUCTION**

011/TEK-TS/II/2022

Rev. No	Original
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Rev. Date	16 Feb 2022
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**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)



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING INSTRUCTION**

011/TEK-TS/II/2022

Rev. No      Original

Rev. Date      16 Feb 2022

**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 ( <a href="#">Figure 3</a> , 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 ( <a href="#">Figure 3</a> , 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	
<b>NOTE:</b> 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	
<b>*** END OF THE TASK ***</b>			



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING INSTRUCTION**

011/TEK-TS/II/2022

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Rev. Date      16 Feb 2022

**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 Cutter	1	Off the shelf Off the shelf	zz yy



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING INSTRUCTION**

011/TEK-TS/II/2022

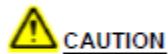
Rev. No	Original
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Rev. Date	16 Feb 2022
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**Figure Attached:**

**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.



**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.

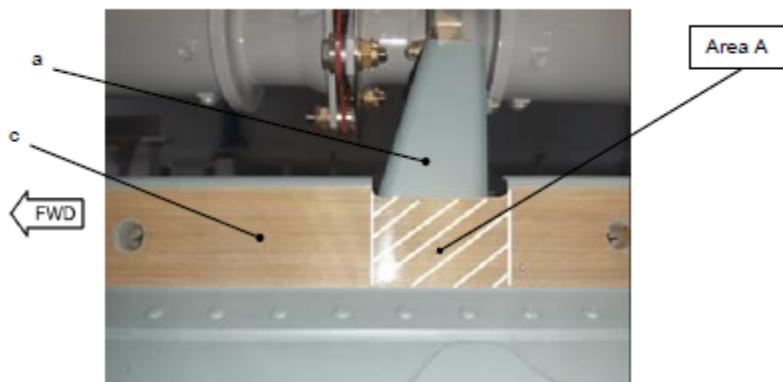


Figure 1

- 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.*

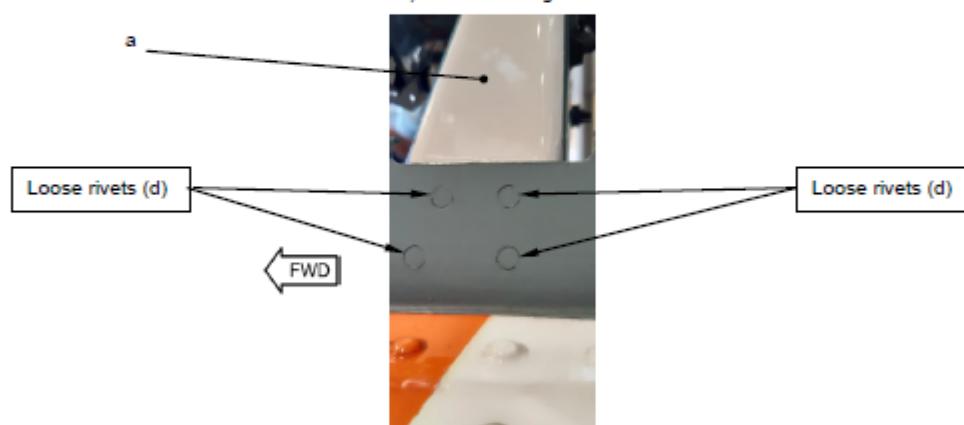


Figure 2

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



# MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

## APPENDIX C015 – Specific Periodic Inspection 300 FH

Reg. Mark : PK - Date : \_\_\_\_\_  
MSN : \_\_\_\_\_ Station : \_\_\_\_\_  
TSN / CSN : \_\_\_\_\_ WO No. : \_\_\_\_\_

ITEM CODE NO.	CHAPTER	TASK	SIGNATURE	
			ENGINEER SIGN & STAMP	RII SIGN & STAMP
62/30/00 /000/000 /120	62-30	<b>Swashplates</b> Visual check of guide. GVI <b>AMM 62-32-00, 6-2</b>		
62/30/00 /000/000 /130	62-30	<b>Swashplates</b> Tactile check of balljoint GVI <b>AMM 62-32-00, 6-1</b>		
80/00/02 /000/000 /220	80-00	<b>Starter generator</b> 515-030 (704A46101018) 524-031 (704A46101011) PRE MOD TU211 <b>THALES.</b> Check of radial play. DI <b>AMM 80-00-02, 6-4</b>		

\*\*\* End of Appendix C015 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 : \_\_\_\_\_



# MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

## Appendix D004 – Arriel 2D 300FH Inspection

Reg. Mark	: PK -	Date	:
MSN	:	Station	:
TSN / CSN	:	WO No.	:

ITEM CODE NO.	CHAPTER	TASK	SIGNATURE	
			ENGINEER SIGN & STAMP	RII SIGN & STAMP
N/A	N/A	Module 02 - Axial compressor - Erosion check. <b>EMM: 72-00-32-200-801</b>		
*** End of Arriel 2D 300FH Inspection 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 : \_\_\_\_\_



Aircraft Registration: **PK-SNX**

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

## **Additional Work Sheet**

## Parts Used Sheet

## Special Tool Used



Aircraft Registration: **PK-SNX**

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

## **Additional Work Sheet**

## Parts Used Sheet

## Part Used