





# PT. SMART CAKRAWALA AVIATION

## WORK ORDER

Form: SCA/MTC/030

Subject : <b>Perform 10 FH / 10FH-7D</b>	No.	WO/072-PK-SNX/VIII/2023
	Date	12-Aug-2023
	A/C Reg.	PK-SNX EC130T2-8829
Reference : <b>MP EC 130 T2 Rev. 2</b>	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		

### Description :

1. Perform 10 FH And 10 FH/7D Inspection
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 <i>%</i>	Sign & Date <i>Aug. 12. 2023</i> Company Lic. No.: <i>SCA - 22</i>  <i>Amir Imran</i> (Engineer In Charge)	Signature  <i>JM</i> (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
12-AUGUST-2023	WO/072-SNX/VIII/2023	Inspection 10FH	Aug. 12. 2023

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

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	53467	838:46 / 2148-
	#2	-	
Propeller/Rotor	#1	-	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		

**PACKAGE COVERED**

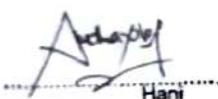
No	Subject	Qty	Remark
1	Non-Routine Card	-	
2	Inspection Card	1	
3	Work Order	1	
4	Summary Inspection List	1	
5	Material and Tool List	1	
6	Escalation form	-	
7	CRS (SMI / Unscheduled Maintenance)	1	

**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					

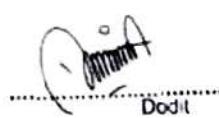
<u>IC-007</u>				
<u>IC-008</u>				
<u>IC-009</u>				
<u>IC-010</u>				
<u>IC-011</u>				
<u>IC-012</u>				
<u>IC-013</u>				
<u>IC-014</u>				
<u>IC-015</u>				

Prepared by :  
Technical Support



Hani

Checked by :  
Chief Maintenance



Dodit

Verified by :  
Chief Inspector



Yanuar

Approved by :  
Technical Manager



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

WO Ref: **WO/072-PK-SNX/VIII/2023**

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	Appendix B001	10FH // 7D	12/8/23	-	Imosa	
2	Appendix F001	10FH EC130T2	12/8/23	-	Imosa	



PT. SMART CAKRAWALA AVIATION

**CERTIFICATE RETURN TO SERVICE**  
SCHEDULED MAINTENANCE INSPECTION  
(CRS-SMI)

A/C TYPE	: EC-130 T2	TTSN	: 838:46
A/C REG	: PK-SNX	TCSN	: 2148
MSN	: 8829	DATE	: AUG. 12. 2023

TYPE OF INSPECTION	: INSPECTION 10 FH
DUE AT	: 840 HOURS
REFF	: MP EC 130 T2 Rev. 2

EXCEPTION

*Abu*

**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
<i>Prasas</i>	AIRFRAME & POWER PLANT	2096	<i>B. S. S.</i> 	12/8/23
	EIRA			

THE NEXT DUE TYPE OF INSPECTION :

DUE AT :

Form: SCA/MTC/049



# MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

## Appendix B001 – 10FH // 7D

Reg. Mark	: PK-SNX	Date	: Aug 12. 2023
MSN	: 8829.	Station	: LNU
TSN / CSN	: 83846/2148	WO No.	: 072-PK-SNX/VIII/2023

ITEM CODE NO.	CHAPTER	TASK	SIGNATURE	
			ENGINEER SIGN & STAMP	RII SIGN & STAMP
05/21/00 /000/000 /020	05-21	P-check VC AMM 05-40-00, 6-7		-
05/21/00 /000/000 /030	05-21	P-check - Optional equipments Note: Maintenance operations can be carried out by an aircrew member. VC AMM 05-40-00, 6-8		-
53/00/00 /000/000 /050	53-00	Structure Salt-laden atmosphere Rinsing and Drying. CLN AMM 12-20-00, 3-3		-
*** End of 10FH // 7D 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 : lnu Place/Date : LNU / Aug 12. 2023  
Sign & Stamp :



# MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

## Appendix F001 – ALS Inspection 10 Hours

Reg. Mark	:	PK - SNX	Date	:	<u>Aug. 12. 2023</u>
MSN	:	8829	Station	:	<u>LNU</u>
TSN / CSN	:	<u>838 : 48</u>	WO No.	:	<u>072-PK-SNX/VIII/2023</u>

ITEM CODE NO.	CHAPTER	TASK	SIGNATURE	
			ENGINEER SIGN & STAMP	RII SIGN & STAMP
62/21/00 /000/000 /145	62-21	<b>Spherical bearing</b> 57910700 (704A33633211) LB4-1231-1 (704A33633208) Check of the elastomer part. GVI <b>AMM05-40-00,6-7</b>		
62/21/00 /000/000 /185	62-21	<b>Frequency adapter</b> 365A31-1019-25 (-) E-4165F01 (704A33640088) E-4165F11 (704A33640100) Check of the elastomer part. Must not be mixed together. GVI <b>AMM05-40-00,6-7</b>		-

\*\*\* End of Appendix F001 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 : lnu Place/Date : LNU / Aug. 12. 2023  
Sign & Stamp : 

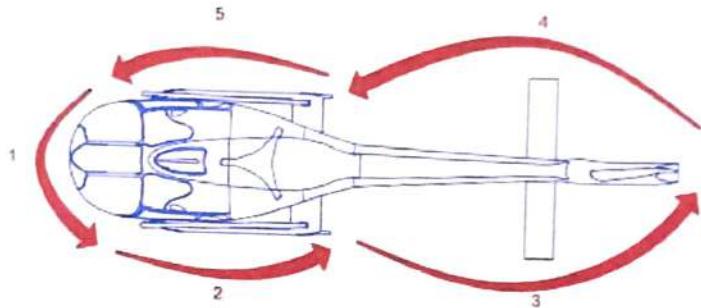
# MAINTENANCE PROGRAM

## AIRBUS HELICOPTERS EC 130 T2

### Appendix A003 – P Check

Reg. Mark : PK-SNX  
 Date : Aug. 12 2023

Station : LHR  
 AFML No : SNX-230812-011



ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
<b>STATION 1</b>					
PC001	Door jambs, canopy arches. Condition, no cracks.	/hr	PC003	Sideslip indicator. Condition.	/hr
PC002	Pitot tube. Condition, cover removed or fitted as necessary.	/hr		MGB - Engine oil cooler air inlet. Condition, no obstruction or foreign bodies, blanking cover removed or fitted as necessary.	/hr
<b>STATION 2</b>					
PC005	Front door jettison system Condition, no cracks (especially at the link).	/hr	PC019	Rear cargo door Closed and locked.	/hr
PC006	Left cabin access doors Condition, attachment, locking, no abnormal play.	/hr	PC020	LH side MGB and engine cowlings Opening, condition of locking systems, no abnormal play.	/hr
PC007	Landing gear Condition of crosstubes, skids, resistant plates, footstep attachment.	/hr		PC021 Upper cowlings Locked.	/hr
PC008	Static pressure ports Condition, blanks removed or fitted as necessary.	/hr	PC022	NACA air inlet No obstructions (clean if necessary).	/hr
PC009	OAT probes Condition, attachment.	/hr		PC023 MGB Condition, oil level, no leaks.	/hr
PC010	Antennas under bottom structure Condition.	/hr	PC024	Transmission deck Cleanliness.	/hr
PC011	Landing and taxiing lights Condition.	/hr		PC025 MGB support bars Condition, attachment.	/hr

**Appendix A003 – P Check**

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC012	Scoop Condition, cleanliness.	/m	PC026	Hydraulic system (LH side) Condition, attachment points, pipes, filter clogging indicator retracted, no leaks.	/m
PC013	Lower cowlings Condition, secured.	/m	PC027	Servos Attachment, no leaks or cracks.	/m
PC014	Left cargo door Opening, condition, attachment points, no abnormal play.	/m	PC028	Gimbal ring assembly Fitting, safety pins in place and locked.	/m
PC015	Left cargo door Closed and locked.	/m	PC029	Electrical harnesses Condition, attachment.	/m
PC016	Rear cargo door Opening, condition, attachment points, no abnormal play.	/m	PC030	Fuel shut-off valve Condition, attachment, no interference.	/m
PC017	Rear cargo bay FADEC secured and harness condition.	/m	PC031	MGB cowling (LH side) Closed and locked.	/m
PC018	KANNAD INTEGRA AP-H Emergency Locator Transmitter Condition, security, check "ARM" or "OFF" as necessary.	/m	<b>NOTE</b>		
<b>STATION 2 – ENGINE AND ENGINE BAY</b>					
PC032	Engine air intake Attachment: condition, seal condition.	/m	PC038	Fuel filter Clogging indicator retracted.	/m
PC033	Firewall Condition, no cracks.	/m	PC039	Oil system No leaks.	/m
PC034	Engine and accessories General condition, cleanliness, leak-tightness, attachment, pipes, electrical harness.	/m	PC040	Engine mounts Condition, attachment.	/m
PC035	Engine transmission deck Condition, cleanliness, no leaks.	/m	PC041	Engine deck drain holes No obstructions or debris.	/m
PC036	Engine casing Attachment flange condition.	/m	PC042	Exhaust pipe Condition, blanking cover removed or fitted, as necessary.	/m
PC037	Oil filter Clogging indicator retracted.	/m			
<b>STATION 3</b>					
PC043	Tail boom Condition, condition of antennas.	/m	PC048	TRH fairing Condition, damage or cracks, no rotations (paint marks).	/m
PC044	Drive shaft fairings Attachment, condition of heat shield.	/m	PC049	Tail rotor duct Condition, check distance between blade tips and duct.	/m



# MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

## Appendix A003 – P Check

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC045	Tail boom door Opening, attachment, bay condition, closed.	/ av	PC050	Tail rotor blades, visible part Condition, no impact, damage, scratches, erosion. Check play	/ av
PC046	Horizontal stabilizer, fin Condition, attachment points, condition of external lights and fin antennas.	/ av	PC051	Freewheel Make the freewheel turn by turning the tail rotor. The free turbine must be driven when the tail rotor is turned anti-clockwise. In the clockwise direction, the freeturbine does not drive.	/ av
PC047	Keel, tail guard Condition, attachment.	/ av			
<b>STATION 4</b>					
PC052	TGB Condition, attachment, oil level.	/ av	PC055	Horizontal stabilizer, fin Condition, attachment points, external light condition.	/ av
PC053	Guide vanes, duct Condition.	/ av	PC056	Tail boom Condition, condition of antennas.	/ av
PC054	Tail rotor pitch change control rod Condition, attachment, no radial play in end- fitting.	/ av	PC057	Drive shaft fairings Attachment, condition of heat shield.	/ av
<b>STATION 5</b>					
PF058	NACA air inlet No obstructions (clean if necessary).	/ av			
<b>STATION 5 – ENGINE AND ENGINE BAY</b>					
PC059	Engine air intake Attachment: condition, condition of seals. Blanking cover removed or fitted, as necessary.	/ av	PC065	Engine magnetic plugs - No chips on aft or forward plugs (without electrical indication).	/ av
PC060	Firewall Condition, no cracks.	/ av	PC066	Engine mounts Condition, attachment.	/ av
PC061	Engine and accessories General condition, cleanliness, leak-tightness, attachment, pipes, electrical harnesses.	/ av	PC067	Engine deck drain holes No obstructions or foreign bodies.	/ av
PC062	Engine transmission deck Condition, cleanliness, no leaks.	/ av	PC068	Engine cowling Closed and locked.	/ av
PC063	Engine casing Attachment flange condition.	/ av	PC069	Nozzle Blanking cover installed or removed as necessary.	/ av
PC064	Oil system No leaks.	/ av			
<b>STATION 5 – MAIN ROTOR SHAFT</b>					

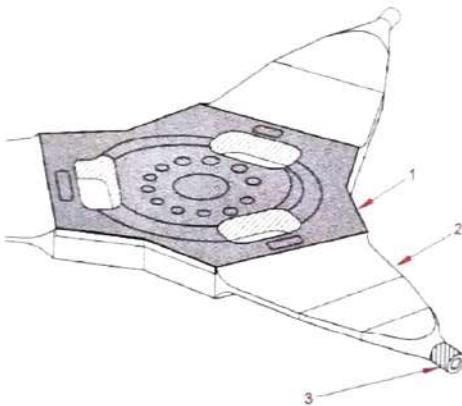
ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC070	Swashplate bearing No grease runs, no change in paint color or paint flaking.	/hr	PC078	Visible part of the Starflex Star (1) arm (2): • no delamination, condition of the paint. If in doubt or damage is found (AMM 62-21-00,6-1). • Bushings (3) at the end of the arms of the STARFLEX (1)  No gap between adhesive bead and bushing. If in doubt or damage is found (AMM 62-21-00,6-1).	/hr
PC071	Scissors, swashplates, rod swivel bearings Condition, attachment, abnormal play (manual check).	/hr	PC079	Spherical thrust bearings No elastomer damage, delamination, splits, blisters, extrusions or cracks (other than minor and unchanging surface irregularities), elastomer protuberance at the laminated area/small reinforcing structure interface.	/hr
PC072	Swashplate/pitch change rod end-fitting – interfaces No impact mark or paint flaking on swashplate attachment yokes.	/hr	PC080	Frequency adapters (PRE MOD 076232) If in doubt or damage is found (AMM 62-21-00,6-4). No elastomer damage, delamination, splits, blisters, extrusions or cracks (other than minor and unchanging surface irregularities). If in doubt or damage is found (AMM 62-21-00,6-7).	/hr
PC073	Pitch change rods Condition, no radial play in end-fittings.	/hr	PC081	Ventilated frequency adapters (POST MOD 076232) No elastomer damage, delamination, splits, blisters, extrusions or cracks (other than minor and unchanging surface irregularities). If in doubt or damage is found (AMM 62-21-00,6-7). Check that ventilation holes are not obstructed (on both sides). On adapters fitted with drilled bush 365A31-1018-21 or 22, ensure lockwire is in place in holes on trailing edge side.	/hr

# MAINTENANCE PROGRAM

## AIRBUS HELICOPTERS EC 130 T2

### Appendix A003 – P Check

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC074	Rotor shaft, all visible parts particularly under the – hub Paint condition, no cracks, scratches, blistering, corrosion nor tool marks.	/hu	PC082	Self-lubricating ball joints No debris or play. -	/hu
PC075	1/4 turn non-electrical magnetic plug of flared housing. Remove 1/4 turn plug, if there are metal particles, apply (AMM 05-50-00,6-1), if there are no metal particles, do a second check, if there are metal particles, apply (AMM 05-50-00,6-1), if there are no metal particles, install the 1/4 turn plug.	/hu	PC083	Anti-vibrator Attachment.	/hu



PC076	MAIN ROTOR HEAD Attachment, general condition.	/hu	PC084	MAIN ROTOR BLADES Attachment, general condition of the skin (lower surface, upper surface and trailing edge), trim tabs and polyurethane protective strips. Visually check for no delamination, scratches, cracks, impacts or distortions. No erosion holes on leading edge, no gaps or impacts. Condition of the electrical bonding braid. If in doubt or if a defect is found (AMM 62-11-00,6-1).	/hu
PC077	STARFLEX Star (1): no delamination (splinters).	/hu	PC085	Right cargo door Opening, condition, attachment points, no abnormal play.	/hu

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
<b>STATION 5 - MAINTENANCE AREA</b>					
PC086	Fuses All fuses set.	/nw	PC096	Engine oil tank Oil level, pipes condition, no leaks.	/nw
PC087	Right cargo door Closed and locked.	/nw	PC097	Electrical harnesses Condition, attachment.	/nw
PC088	GPU receptacle, access flap Closed or GPU connected, as applicable.	/nw	PC098	Gimbal ring assembly Fitting, safety pins in place and locked.	/nw
PC089	RH MGB cowling Opening, condition of locking systems, no abnormal play.	/nw	PC099	RH side MGB cowling Closed and locked.	/nw
PC090	Transmission deck Cleanliness.	/nw	PC100	Landing gear Condition of crosstubes, skids, wear resistant plates, footstep attachment.	/nw
PC091	MGB support bars Condition, attachment, swivelling.	/nw	PC101	All lower central fairings Closed and locked.	/nw
PC092	Oil cooler, fan and pipes Condition, no leaks, fan attachment, fan blade condition.	/nw	PC102	RH cabin access doors Condition, attachment, locking, no abnormal play.	/nw
PC093	Servos Attachment, no leaks or cracks.	/nw	PC103	Front door jettison system Condition, no cracks (especially at the link).	/nw
PC094	Hydraulic system (RH side) Attachment, pipes condition, no leaks, filter clogging indicator retracted.	/nw	PC104	Subdoor Condition, attachment.	/nw
PC095	Hydraulic system reservoirs Levels, no leaks.	/nw			
<b>STATION 5 - CABIN INTERIOR</b>					
PC105	Cabin General cleanliness.	/nw	PC110	Fire extinguisher Attached - Checked.	/nw
PC106	Seats Condition, attachment points.	/nw	PC111	Fuses All set.	/nw
PC107	Belts/harnesses General condition, no wear, visible damage to the strap and reel in good working order.	/nw	PC112	Battery switch ON, check battery voltage.	/nw

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC108	Belt attachments General condition, wear, loosening and locking.	/hr	PC113	VEMD Check flights of the day reports: (MAINT mode, FLIGHT REPORT page) VEMD flight times, Ng and Nf cycles: check written in white characters and above 0, Check advisory messages FAILURE or OVERLIMIT DETECTED, Record flights of the day data in aircraft and engine log-books.	/hr
PC109	Door jettison system Checked - Plastic guard in place.			PC114 Battery switch OFF.	/hr

**OPTIONAL EQUIPMENT – ENGINE SAND FILTER**

PC1115	With the engine cowling closed, check the following:  - the condition of the filter support cowling, - the external condition of the filter, - the condition and cleanliness of the separator tubes, - the condition of the ejector nozzles.	/hr	PC116	Open the engine cowling and check the following: - the condition of the particle separator unit, - the condition and cleanliness of the separator tubes, - the condition of the elbow union, - the condition of the pipes, - the condition of the air manifold, - the tightness of the air intake, - the internal cleanliness of the air manifold, - the condition and attachment of the electro-valve with hoses and P2 supply union.	/hr
			PC117	Close the engine cowling.	/hr

**OPTIONAL EQUIPMENT – AIR CONDITIONING**

PC118	Open the MGB left cowling.	/hr	PC120	If a leak is detected at the MGB intake: replace the MGB intake seal (AMM 63-21-00,8-1).	/hr
PC119	Check the condition of the air conditioning compressor drive belt (AMM 21-51-02,6-2) if an oil leak is detected at the MGB.	/hr	PC121	Close the MGB left cowling.	/hr

**OPTIONAL EQUIPMENT – INSTALLATION OF WINDSHIELD WIPERS**



**MAINTENANCE PROGRAM  
AIRBUS HELICOPTERS EC 130 T2**

**Appendix A003 – P Check**

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC122	Check the condition of the installation (no corrosion, impacts..).	/m	PC124	Check the condition of the wiper and in particular, the good condition of the scraper.	/m
PC123	Check the condition of attachments.	/m			
*** End of P Check Items ***					

**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 : Imran Place/Date : LWU / Aug. 12. 2023  
Sign & Stamp : Bm 



Aircraft Registration: **PK-SNX**

WO# Nr: WO/072-PK-SNX/VIII/2023

**Additional Work Sheet**  
**10 FH Inspection**  
**Parts Used Sheet**

### Special Tool Used

No.	Description	Special Tool Used	Due Date	Engineer
		A44		



Registration: **PK-SNX**

**WO# Nr:** **WO/072-PK-SNX/VIII/2023**

## **Additional Work Sheet**

## Parts Used Sheet