PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : **Propeller Assy Installation**	No.	WO/007-SNO/XII/2022
	Date	2 December 2022
	A/C Reg.	PK-SNO C208B-2375
Reference : MP C208B Rev. 12 EI NO. 012/EO/TEK-TS/XII/2022	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		

Description :

1. Perform Propeller Assy Installation
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
2 Dec 2022	WO/007-SNO/XII/2022	Propeller Assy Installation	

A/C Type	Mfg. Serial Number	A/C Registration
C208B	C208B-2375	PK-SNO

AIRCRAFT DATA

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-PC1937	
	#2	-	
Propeller/Rotor	#1	111120	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		

PACKAGE COVERED

No	Subject	Qty	Remark
1	Non-Routine Card	1	
2	Inspection Card		
3	Work Order	1	
4	Summary Inspection List	1	
5	Material and Tool List	-	
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					

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

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/007-SNO/XII/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	NRC-001	NSTALLATION OF PROPELLER ASSY 3GFR34C703-B REF EO NO. 012/EO/TEK-TS/XII/2022				

PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: CESSNA 208B	TTSN	:
A/C REG	: PK-SNO	TCSN	:
MSN	: C208B-2375	DATE	:

TYPE OF INSPECTION : PROPELLER ASSY INSTALLATION
DUE AT :
REFF : EO NO. 012/EO/TEK-TS/XII/2022

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
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
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

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

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/007-SNO/XI/2022		**INSTALLATION**	**PK-SNO**
5. CARD #	6. ATA SPEC	7.TRADE	8. STA
#001	**71**		
9. ZONE	10. PANEL		
FRONT			

11. DESCRIPTION

PERFORM PROPELLER ASSY INSTALLATION MODEL 3GFR34C703-B REF EO NO. 012/EO/TEK-TS/XII/2022

S/N ON:111120

REFERENCE	[X] 012/EO/TEK-TS/XII/2022	[ ] EMM Ch	[ ] OTHER
RII (*)	[X] 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

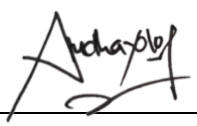
DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

ENGINEERING ORDER

012/EO/TEK-TS/XII/2022

INSTALLATION OF PROPELLER MCCAULEYMODEL 3GFR34C703 Series ON CESSNA C208/C208B

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	**Chief Inspector**	**Technical Manager**
Signature: 	Signature: 	Signature: 
Name: Dwi M.	Name: Yanuar A. F.	Name: Istiono
Date: 2 Dec 2022	Date: 2 Dec 2022	Date: 2 Dec 2022

SMART AVIATION
ENGINEERING ORDER

SMART AVIATION
ENGINEERING ORDER

	No. EI: **012/EO/TEK-TS/XII/2022**	Rev. No. : **Original**
	Date Issued : **2 December 2022**	
Task Description : **INSTALLATION OF PROPELLER MCCAULEY MODEL 3GFR34C703 Series ON CESSNA C208/C208B**	Data Reference : - **Model 208 Series Maintenance Manual Revision 37, Revision Date Mar 1, 2020 Chapter 61 - Propellers**	
Aircraft Type : **CESSNA C208/C208B EQUIPPED WITH PROPELLER MCCAULEY MODEL 3GFR34C703 Series**		

1. Description.

This EO is issued, to perform removal & installation checklist Propeller Assembly maintenance practices the 3GFR34C703 Series Propeller on Cessna C208/C208B.

SMART AVIATION
ENGINEERING ORDER

2. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNO	208B-2375

3. Compliance

The Propeller model 3GFR34C703 Series have 3 of Blades, after removal the propeller that is installed on Engine refer to accomplishment instruction task card, install the Serviceable/New Propeller on the aircraft refer to accomplishment instruction task card.

4. Distribution.

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

5. Manhours

18.0 man-hour to do the inspection.

6. Material.

A1633-72	Packing
A1639-32	Nut, Propeller

7. Special Tool Required.

Tracking, Propeller

Adapter, Torque Wrench

8. Publication Affected.

None.

SMART AVIATION
ENGINEERING ORDER

PROPELLER INSTALLATION

Date :_____ Work Number :_____

Date :_____ WO Number :_____

Part No. Propeller : 3GFR34C703-B A/C Total Hours :_____

Ser. No. Propeller : 111120 A/C Total Landings :_____

Propeller Time TSN:2043:29 Hrs TSO:-

Removed from A/C Reg.: PK-SNS

Description	Eng.	RII	Remarks
B. INSTALL PROPELLER (Refer to Figure 01 to 04).			
1. Ensure airplane electrical power is OFF.			
2. If spinner bulkhead (13) was removed, position spinner bulkhead on propellerand install washers (12) and screws (11). **Torque screws (11) 20 to 25 inch-pounds.**			
3. On propeller with anti-ice installation, install screws securing anti-ice leads (21) to slip ring (15) and secure leads to bulkhead using screws and clampsremoved.			
4. Install Beta Ring Puller D-5945 tool.			
5. Apply a light coating of engine oil to O-ring (14) and install in the propeller hub.			
6. Inspect stud and nut threads for cleanliness and absence of nicks, burrs or other damage.			
7. Apply MIL-PRF-83483C (Locktite Moly-50 or equal) lubricant liberally to propeller studs, nut threads and both faces of spacers (8). **CAUTION:** It is important that propeller be seated against engine flange with a straight push. Rotation, cocking or wiggling will damage the o- ring groove and oil leakage may result.			
8. With propeller supported by a hoist and sling position propeller on engine flange (10) and install spacers (8) and nuts (9). Keeping the B-5588 torque wrench adapter or equivalent, at a 90 degree angle to the torque wrench **torque nuts 68 to 72 foot-pounds.**			

SMART AVIATION
ENGINEERING ORDER

9. On propeller with anti-ice installation, install anti-ice brush block assembly(22). Clearance between anti-ice brush block and slip ring is 0.064 inch, +0.015 or -0.015 inch. Torque the nuts that attach the brush block bracketassembly to the engine from **145 to 165 inch-pounds (16.38 to 18.64 N-m).**			
10. Remove Beta Ring Puller D-5945 tool. **NOTE:** The lower end of the propeller reversing lever is machined with astepped notch. **CAUTION:** Make sure the stepped notch at the end of the propeller reversing lever (26) is under the guide pin (37) in the reversinglever guide pin bracket (36).			
11. Install propeller reversing lever (26) and carbon block (24) in propeller feedback collar (23). Refer to Pratt & Whitney Engine Maintenance Manual for installing the propeller reversing lever.			
12. Connect propeller reversing lever (26) to control cable and beta valve clevis(25).			
13. To facilitate propeller dynamic balancing, remove all previously installedpropeller weights from spinner bulkhead.			
14. Slide spinner support (1) on feathering spring housing (2). **CAUTION:** Perform the following procedure exactly as written to preventdamage.			
15. Lightly press spinner (17) against spinner support (1) and check alignment ofspinner holes with spinner bulkhead holes. Spinner holes should be approximately 1/2 hole diameter forward from alignment with bulkhead holes. If not add or remove shims (16) to obtain this alignment.			
16. Once shimming is complete, push hard on front of spinner to align holes andinstall screws (19) and washers (18).			
17. Install propeller dynamic balancing test equipment.			
18. Perform RII inspection before first engine start.			
19. Install right nose cap half and close cowling.			
20. Start engine I.A.W Pilots Operating Handbook and FAA Approved Airplane Flight Manual.			

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ENGINEERING ORDER

21. Perform propeller dynamic balancing ref. C208B MM chapter 61-11-00 Dynamic balancing (McCauley) – Adjustment test. Refer also to related balancer tools manual.			
22. Make an appropriate entry in Work Order and Aircraft Flight & Maintenance Log (AFML).			

MAINTENANCE RELEASE

I hereby certify that the above stated maintenance and/or inspection was performed in accordance with the approved Aircraft Maintenance Program and meets requirements of Civil Aviation Safety Regulations.

ENGINEER			**RII**		
Name	:	_____	Name	:	_____
Signature	:	_____	Signature	:	_____
Stamp	:	_____	Stamp	:	_____
Place/Date	:	_____	Place/Date	:	_____

Additional Work Sheet
Propeller Assy Installation

Aircraft Registration: **PK-SNO**

WO# Nr: **WO/007-SNO/XII/2022**

Parts Used Sheet

Special Tool Used

No.	Description	Due Date	Engineer

Additional Work Sheet
Propeller Assy Installation

Aircraft Registration: **PK-SNO**

WO# Nr: **WO/007-SNO/XII/2022**

Parts Used Sheet

Part Used

Date	Part Nr.	Serial Nr.	Description	Quantity	Engineer