PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : **Inspection Document 06 & Add @ 7376 Hrs**	No.	WO/019-SNI/VIII/2022
	Date	31 August 2022
	A/C Reg.	PK-SNI C208B-5068
Reference : MP C208B REV. 12	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Inspection Document 06 & Add @7376 Hours
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
31 Agust 2022	WO/019-SNI/V/III2022	Inspection Doc. 06	

A/C Type	Mfg. Serial Number	A/C Registration
C208B	C208B-5068	PK-SNI

AIRCRAFT DATA

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-VA0073	
	#2	-	
Propeller/Rotor	#1	200707	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		

PACKAGE COVERED

No	Subject	Qty	Remark
1	Non-Routine Card	2	
2	Inspection Card	1	
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 :	Checked by :	Verified by :	Approved by :
Technical Support	Chief Maintenance	Chief Inspector	Technical Manager
			
.....	.....	.....	.....
Dwi M	Dodit	Yanuar	Istiono

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

WO Ref: WO/019-SNI/VIII/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	CHAP 51	ENGINE MINOR INSPECTION				
2	CHAP 52	ENGINE 200 HRS INSP.				
3	CHAP 53	ENGINE 200 HRS/6 MTHS INSP.				
4	CHAP 54	ENGINE 400 HRS INSP.				
5	CHAP 12	INSPECTION DOCUMENT 06				
6	CHAP 13	INSPECTION DOUCMENT 07				
7	CHAP 14	INSPECTION DOCUMENT 08				
8	NRC-01	VACUUM RELIEF VALVE FILTER REPLACEMENT				
9	NRC-02	VACUUM SYSTEM CENTRAL AIR FILTER REPLACEMENT				
10	CHAP 32	INSPECTION DOCUMENT 26-CAPCHECK				
11	APPENDIX	EMERGENCY EQUIPMENT LIST				
12	B03	PT6A-140 GROUND RUN SHEET				

PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: CESSNA 208B	TTSN	:
A/C REG	: PK-SNI	TCSN	:
MSN	: C208B-5068	DATE	:

TYPE OF INSPECTION : INSPECTION DOC.06 & ADD
DUE AT : 7376.0 HOURS
REFF : MP C208B REV.12

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/019-SNI/VIII/2022	**31 AUG 2022**	**REPLACEMENT**	**PK-SNI/208B-5068**
5. CARD #	6. ATA SPEC	7.TRADE	8. STA
#01	**37**		
9. ZONE	10. PANEL		

11. DESCRIPTION

PERFORM REPLACE VACUUM SYSTEM CENTRAL AIR FILTER DISCARD
PN: AAD9-18-1

REFERENCE	☒ AMM Ch. 37-10-00-960	☐ EMM Ch	☐ 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

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

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/019-SNI/VIII/2022	**31 AUG 2022**	**REPLACEMENT**	**PK-SNI/208B-5068**
5. CARD #	6. ATA SPEC	7.TRADE	8. STA
#02	**37**		
9. ZONE	10. PANEL		

11. DESCRIPTION

PERFORM REPLACE VACUUM RELIEF VALVE FILTER DISCARD
PN: B3-5-1

REFERENCE	☒ AMM Ch. 37-10-00-961	☐ EMM Ch	☐ 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

VACUUM DISTRIBUTION - INSPECTION/CHECK

1. General

A. This section has the inspections and checks necessary to keep the vacuum distribution system in a serviceable condition.

TASK 37-10-00-960

2. Vacuum System Central Air Filter Discard

CAUTION: Do not operate the vacuum system with the filter removed or a vacuum line disconnected. Dust and other foreign objects can enter the system and damage the vacuum operated instruments.

A. General

(1) This task gives the instructions to discard the vacuum system central air filter.

B. Special Tools

(1) None

C. Access

(1) None

D. Discard the Vacuum System Central Air Filter.

(1) Remove the vacuum system central air filter. Refer to Chapter 12, Vacuum System Central Air Filter - Servicing.

(a) Discard the filter.

(2) Install a new vacuum system central air filter. Refer to Chapter 12, Vacuum System Central Air Filter - Servicing.

E. Restore Access

(1) None

END OF TASK

TASK 37-10-00-961

3. Vacuum Relief Valve Filter Discard

CAUTION: Do not operate the vacuum system with the filter removed or a vacuum line disconnected. Dust and other foreign objects can enter the system and damage the vacuum operated instruments.

A. General

(1) This task gives the instructions to discard the vacuum relief valve filter.

B. Special Tools

(1) None

C. Access

(1) None

D. Discard the Vacuum Relief Valve Filter.

(1) Get access to the relief valve behind the attitude gyro.

(2) Carefully stretch the foam element filter over the top of the retaining bezel.

(3) Remove the filter from the relief valve and discard it.

(4) Stretch a new relief valve filter over the top of the retaining bezel.

(5) Make sure that the filter is secure on the relief valve.

E. Restore Access

(1) None

END OF TASK

VACUUM SYSTEM CENTRAL AIR FILTER - SERVICING

1. General

A. The vacuum system central air filter keeps dust and dirt from entering the vacuum operated instruments.

CAUTION: Do not operate vacuum system with filter removed or vacuum line disconnected, as dust and other foreign matter may enter the system and damage the vacuum operated instruments.

B. Refer to Chapter 5, Inspection Time Limits for filter inspection intervals. Replace filter element when damaged and whenever it becomes sufficiently clogged to cause suction gage reading to drop below 4.5 inches Hg (mercury).

CAUTION: Smoking during system operation will cause premature filter clogging.

2. Servicing

A. Remove Air Filter (Refer to Figure 301).

(1) Unscrew bolt and washer from bottom of central air filter.

(2) Remove central air filter from filter bracket.

(3) Inspect for damage, deterioration and contamination. Clean or replace as required.

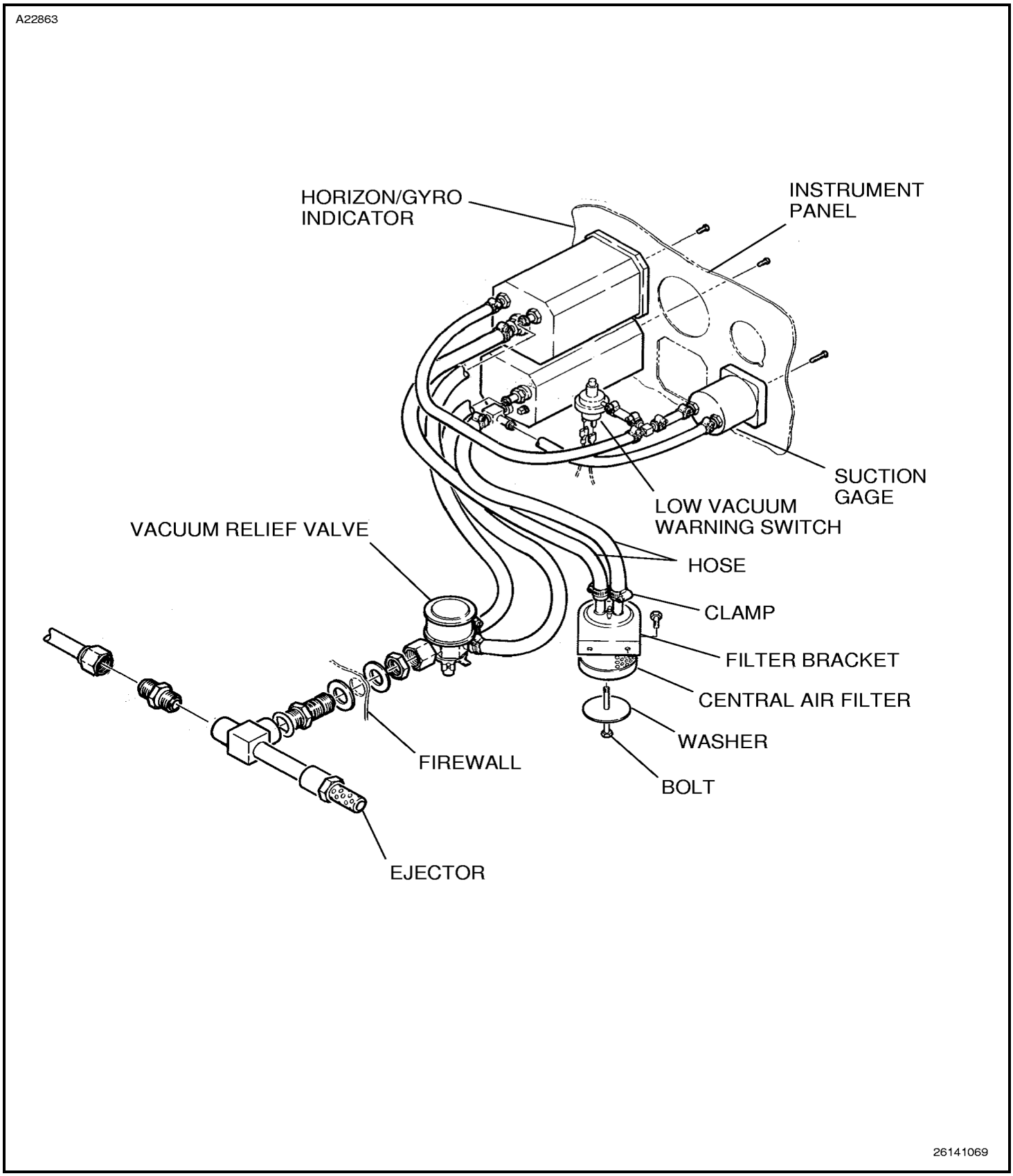
B. Install Air Filter (Refer to Figure 301).

(1) Seat central air filter up and into filter bracket.

(2) Secure central air filter to filter bracket using bolt and washer.

(3) Check central air filter for unobstructed flow. A properly functioning filter should allow a reading of at least 4.5 inches Hg (mercury) on the instrument panel suction gage.

Figure 301 : Sheet 1 : Vacuum System Central Air Filter Servicing



Appendix B03 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - SNI WO/FML No. : WO/019-SNI/VIII/2022

PRE – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

POST – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

PRE – INSPECTION	Target	Actual
Tq		
Np		
ITT	°C	°C
Ng	%	%
Wf		
Oil Press		°C
Oil Temp		°C
Start Temp		°C

POST– INSPECTION	Target	Actual
Tq		
Np		
ITT	°C	°C
Ng	%	%
Wf		
Oil Press		°C
Oil Temp		°C
Start Temp		°C

Engine Run Up Checks
Inertial ☐ **EPL** ☐ **OVG** ☐ **Stby Alt** ☐ **BOV** ☐ **Brake** ☐ **Randown** ☐
NOTE: 1. Brake system at Torque 2000 ft-lbs. 2. Inertial Separator at Torque 400 ft-lbs. 3. EPL check can't exceed 4% Ng per second. 4. Standby Alt at 80% Ng. 5. Low idle at 55.5 - 57% 40Amps. 6. High idle at 64 - 66% Ng 40Amps

Engine Performance Target Table (Cessna C208B EX)

OAT (°C)	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Tq (ft.lbs)	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
Np	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
ITT (°C)	835	837	839	841	841	841	841	841	841	842	843	844	846	846	846
Ng (%)	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.5
WF (PPH)	578	578	578	578	578	578	578	570	565	565	560	560	555	548	548

Note:

1. Make sure that inertial separator in normal condition, no bleed air extracted from the engine and air condition OFF.
2. This table only applies to altitude 0-500 feet MSL. For higher altitude, refer to EMM 72-00-00.
3. Max fuel flow is 580 lb/hr fuel flow is not more than 15 lbs/hr higher than the value shown in table.
4. If parameters are outside the target performance table to EMM chapter 71-00-00.

REMARKS:

PERFORMED BY			
Name	Sign & Stamp	Date	Location

Reg. Mark : PK - SNI Date :

MSN : 208B-5068 Station :

TSN / CSN : WO No. : WO/019-SNI/VIII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
F710001	130	Do a check of the FCU manual override system for static operation. For the engines installed with a manual override system only.		
F710003	130	Do a compressor performance recovery wash		
F720000	130	Do a visual inspection of the Control Linkages and wiring.		
F720001	130	Do a visual inspection of the engine exhaust duct welds.		
F720002	130	Do a visual inspection of the engine exhaust duct for cracks.		
F720003	130	Do a visual inspection of the gas generator case and the center fireseal.		
F720004	130	Do a visual inspection of the rear fireseal mounting ring.		
F722001	130	Do a visual inspection of the air inlet screen.		
F723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion		
F725005	130	Do a detailed inspection of the turbine exhaust duct.		
F731002	130	Do a check for the fuel pump installation and leaks.		
F731003	130	Do a check of the oil-to- fuel heater installation		
F731035	130	Do a visual Inspection of the Fuel - Oil Heat Exchanger Fuel Filter Element **(CLEANING / REPLACEMENT)** P/N OFF: _____ P/N ON: _____		

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
F731006	130	Do a check of the drain valve for installation and leaks		
		NOTE: There is no need to remove the drain valve if there is no leaks.		
F731007	130	Do a check of the flow divider for installation and leaks.		
F731008	130	Do a visual inspection of the P3 filter and drain valve.		
F731015	130	Do a visual inspection of Fuel Pump outlet filter. **(CLEANING / REPLACEMENT)** P/N OFF: _____ P/N ON: _____		
F731018	130	Clean or replace the P3 filter based on condition, service experience or environment. **Note:** If corrosions are found, replace filter.		
F732001	130	Do a check of the FCU for installation, linkages and pneumatic tubes.		
F792000	130	Inspect and clean oil filter for debris.		

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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

Reg. Mark : PK - SNI Date :

MSN : 208B-5068 Station :

TSN / CSN : WO No. : WO/019-SNI/VIII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
F793001	130	Do a visual inspection of the chip detector for debris.		
*** End of Engine PT6A-140 200 Hours 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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

Reg. Mark : PK - SNI Date :

MSN : 208B-5068 Station :

TSN / CSN : WO No. : WO/019-SNI/VIII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
F793000	130	Do a visual inspection of the AGB internal scavenge oil pump inlet screen		
*** End of Engine PT6A- 140 200 Hours or 6 Months 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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

Reg. Mark : PK - SNI Date :

MSN : 208B-5068 Station :

TSN / CSN : WO No. : WO/019-SNI/VIII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
F724000	130	Do borescope inspection of hot section components.		
F731004	130	Do a leak test and a functional test of the fuel manifold adapter and nozzle assemblies. **Note:** Engines ON fuel nozzle in-situ cleaning program (Ref. Task 71-00-00- 160-808). Test fuel nozzles and refurbish as necessary.		
F741001	130	Do a visual inspection of the ignition exciter.		
F741011	130	Do a visual inspection of the ignition cables.		
F742001	130	Do a functional check of the ignition cable.		
F742002	130	Do a visual inspection of the spark igniter/glow plugs. **Note:** Examine initially at 200 Hours.		
*** End of Engine PT6A-140 400 Hours 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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

smartaviation	**DOCUMENT FORM BORESCOPE INSPECTION FORM**	Page | - 1 -

Engine Borescope Inspection

Job No: **WO/019-SNI/VIII/2022**

Engine Serial Number	Date	Base / Location	Aircraft Registration
PCE-VA0073			**PK-SNI**
Aircraft Total Time	Aircraft Total Cycle	Reason For Borescope	
		400 HOURS INSPECTION	

Note:

Record any discrepancies found during inspection, and/or take photographic evidence.

If None, then write No Findings. If you find defects, please quote EMM (Engine Maintenance Manual) Reference and Limitations.

Item	Work Description	SIGN	STAMP
1	Remove fuel manifold adapter as necessary (Ref. 73-10-04).		
2	Perform inspection of the First Stage Compressor. Defects: If defects found, quote MM Limitation and References :		

Photo of First Stage Compressor 1st Quadrant	Photo of First Stage Compressor 2nd Quadrant
Photo of First Stage Compressor 3rd Quadrant	Photo of First Stage Compressor 4th Quadrant

		SIGN	STAMP
3	Perform inspection of Combustion Chamber Liner Assembly. Defects: If defects found, quote MM Limitation and References :		

Photo of Combustion Chamber 1st Quadrant	Photo of Combustion Chamber 2nd Quadrant
Photo of Combustion Chamber 3rd Quadrant	Photo of Combustion Chamber 4th Quadrant

		SIGN	STAMP
4	Perform Inspection of CT-Stator assembly. Defects: If defects found, quote MM Limitation and References :		

Photo of CT Stator 1st Quadrant		Photo of CT Stator 2nd Quadrant	
Photo of CT Stator 3rd Quadrant		Photo of CT Stator 4th Quadrant	
5	Perform inspection of CT blades and shroud segments. Defects: If defects found, quote MM Limitation and References :	SIGN	STAMP
Photo of Leading Edge CT-Blades 1st Quadrant		Photo of Leading Edge CT-Blades 2nd	

Photo of Leading Edge CT-Blades 3rd Quadrant		Photo of Leading Edge CT-Blades 4th Quadrant	
6	Perform inspection trailing edge of CT blades. Defects: If defects found, quote MM Limitation and References :	SIGN	STAMP
Photo of Trailing Edge CT-Blades 1st Q		Photo of Trailing Edge CT-Blades 2nd Q	
Photo of Trailing Edge CT-Blades 3rd Q		Photo of Trailing Edge CT-Blades 4th Q	

		SIGN	STAMP
7	Perform inspection of PT-Blades and PT-Vanes Ring Defects: If defects found, quote MM Limitation and References :		

Photo of PT-Blades/Vanes 1st Q	Photo of PT-Blades/Vanes 2nd Q
Photo of PT-Blades/Vanes 3rd Q	Photo of PT-Blades/Vanes 4th Q

		SIGN	STAMP
8	Install fuel manifold adapter(s) (Ref. 73-10-04).		
9	Perform fuel leak check post fuel nozzle installation		

BORESCOPE PERFORMED BY

Name: _____ Signature _____

Reg. Mark : PK - SNI Date :

MSN : 208B-5068 Station :

TSN / CSN : WO No. : WO/019-SNI/VIII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
A110001	ALL	Interior and Exterior Placard and Decal Detailed Inspection Task 11-00-00-220		
D121001	121	Brake System Servicing Task 12-10-01-610		
D121003	710	Shimmy Damper Servicing Task 12-10-01-611		
C122101	700	Landing Gear Lubrication Task 12-21-03-640		
B236001	343 375 376 571 671	Static Discharge System Functional Check Task 23-60-00-720		
A255101	251 252 255 256 257 258	Cargo Nets Detailed Inspection Task 25-51-00-220		
C270001	215 216 226 373 374 503 525 603 625	Flight Controls Lubrication Task 27-00-00-640		
B273101	211 212 503	Stall Warning System Operational Check Task 27-31-00-710		
C275001	525 527 625 627	Flap Tracks and Rollers Lubrication Task 27-50-00-640		
B281001	575 675	Fuel Vent Line Float Valve Operational Check Task 28-10-03-710		
A281001	521 621	Fuel Filler Assembly Detailed Inspection Task 28-10-01-220		
B301003	122 AUX	Bleed Air Pressure Regulator Functional Check (without TKS and not incorporating CAB93-2) Task 30-10-00-720		
B322001	710	Shimmy Damper Functional Check Task 32-20-02-720		

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
B341101	AUX	Pitot Tube Heaters Operational Check Task 34-11-00-710		
A353001	256	Oxygen Mask Detailed Inspection Task 35-30-00-220		
B761003	AUX	Emergency Power Lever Annunciator Light (EPL) Operational Check Task 76-10-01-710		
*** End of Inspection Document 06 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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

Reg. Mark : PK - SNI Date :

MSN : 208B-5068 Station :

TSN / CSN : WO No. : WO/019-SNI/VIII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
A243601	121	Standby Alternator Detailed Inspection Task 24-36-00-220		
B251001	221 232	Inertia Reel Operational Check Task 25-10-00-710		
B255201	901 902 903 904 905 906	Cargo Pod Drains Operational Check Task 25-52-00-710		
A261001	121 122	Engine Fire Detection System General Visual Inspection Task 26-10-00-210		
C271001	211 212 217 218 233 234 253 254 251 252 551 571 651 671	Aileron Trim System Lubrication Task 27-10-02-640		
B271005	551 571 651 671	Aileron Trim Tab (Free Play) Functional Check Task 27-10-02-720		
B273003	371 372 375 376	Elevator Trim Tab (Free Play) Functional Check Task 27-30-02-720		
D282101	130	Firewall Mounted Fuel Filter Servicing Task 28-21-00-610		
B282103	213 214 220	Firewall Fuel Shutoff Valve Control Operational Check Task 28-21-00-711		
C282301	231 232 511 611	Wing Shutoff Valve Linkage Lubrication Task 28-23-00-640		
B284101	ENG	Fuel Reservoir Warning System Operational Check Task 28-41-00-710		
B301001	122 AUX	Bleed Air Pressure Regulator Functional Check (Airplanes with de-ice boots installed) Task 30-10-00-720		
A353003	256	Portable Oxygen Cylinder Detailed Inspection Task 35-30-00-221		

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
B611101	110	McCauley Propeller Functional Check Task 61-11-00-720		
A712001	130	Engine Mounts and Firewall Detailed Inspection Task 71-20-00-220		
A716001	130	Inertial Air Separator Detailed Inspection Task 71-60-00-220		
B761001	130 211 212 ENG	Engine Controls Functional Check Task 76-10-00-72		
A801001	130	Starter-Generator (Part Number 23081 Series only) Detailed Inspection Task 80-10-00-220		
*** End of Inspection Document 07 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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

PROPELLER (McCAULEY) - INSPECTION/CHECK

1. General

A. This section has the inspections and checks necessary to keep the McCauley propeller in a serviceable condition.

NOTE: For different views of the propeller and the spinner installation that are not included in this section, refer to Figure 201, in Propeller (McCauley) - Maintenance Practices.

TASK 61-11-00-720

2. McCauley Propeller Functional Check

A. General

(1) This task gives the information needed to do the functional check of the McCauley propeller.

B. Special Tools

(1) Mild Soap and Water.

(2) Stoddard Solvent or equivalent.

(3) Isopropyl Alcohol.

C. Access

(1) Remove the nose cap to get access to the propeller governor. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

(2) Remove the upper left cowling door to get access to the overspeed governor. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

D. Do a McCauley Propeller Detailed Inspection.

(1) Examine the propeller blades for any damage before you wash the blades.

CAUTION: Do not let the soap solution come into contact with the hub. The soap solution can contaminate the O-ring that is installed in the hub.

(2) Wash the propeller blades and the boots with mild soap and water before you start the inspection.

NOTE: The propeller spinner is removed after the propeller is washed for the inspection.

(3) Put a mark on the spinner and the bulkhead to record the alignment for the next installation.

(a) Do not use a lead pencil.

(4) Remove the propeller spinner. Refer to Propeller (McCauley) - Maintenance Practices.

(a) Make sure that you keep the front spinner support spacers for the next installation of the spinner.

(5) Be careful to not remove the spinner index mark when you clean the spinner and the bulkhead.

(a) Clean the spinner and the bulkhead with Stoddard solvent to remove all oil and grease before you start the inspection.

(6) If installed, clean the de-ice slip ring assembly and the de-ice brush block with isopropyl alcohol, Stoddard solvent, or equivalent.

E. Examine the Spinner and Bulkhead

(1) Examine the accessible surface of the bulkhead and the inner and outer spinner surface for condition, cracks, corrosion, and fractures.

(2) Examine the spinner bulkhead, spinner bulkhead support, spinner attach screws, and spinner attach nutplates for condition, corrosion, and wear.

(3) Examine the attach holes in the spinner for cracks and hole elongation.

(4) Examine the spinner fillets for condition, cracks, corrosion, and security.

(5) Examine the balance weights for condition, corrosion, security, and correct installation. Refer to Final Weight Installation found in Dynamic Balancing (McCauley) - Adjustment/Test.

(6) Visually examine the spinner dome surface and the bulkhead for burned spots, pits, or other signs of a lightning strike.

(a) If there are signs of a lightning strike, refer to Chapter 5, Unscheduled Maintenance Checks, Lightning Strike.

(7) If installed, examine the deice leads for condition, chafing, and security.

(8) For airplanes with TKS ,examine the feed shoes, slinger ring, propeller feed nozzle, propeller nozzle bracket, fitting, and propeller hose assembly for condition, corrosion, security, and correct installation. Refer to Chapter 30, TKS Anti-Ice Propeller (McCauley) - Maintenance Practices.

(a) Make sure that the feed nozzle is extended into the slinger ring channel with an edge distance of 0.10 to 0.15 inches (2.54 to 3.81 mm) from the slinger ring. If necessary adjust. Refer to Chapter 30, TKS Anti-Ice Propeller (McCauley) - Maintenance Practices.

(b) Turn the propeller slowly by hand and make sure that the distance between the slinger ring and the feeder tube stays in an alignment tolerance of 0.10 to 0.15 inches (2.54 to 3.81 mm). Refer to Chapter 30, TKS Anti-Ice Propeller (McCauley) - Maintenance Practices.

(c) Make sure that the propeller feeder nozzle has a 0.250 inch, +0.020 or - 0.020 inch (6.350 mm, +0.508 or - 0.508 mm) clearance from the propeller boot with the propeller in feather. Check for security of attachment.

F. Examine the Blades.

(1) Examine all blades and blade surfaces for condition, gouges, scratches, corrosion, erosion, cracks, nicks, evidence of lightning strikes, and security.

(a) If a propeller blade is found to have damage, refer to the McCauley MPC26 Owner/Operator Information Manual for repair procedures (refer to List of Vendor Publications).

(b) If there are signs of a lightning strike, refer to Chapter 5, Unscheduled Maintenance Checks, Lightning Strike.

(2) Examine all blade attachment points for oil leaks.

CAUTION: Oil leaks from the propeller or the engine can get on the wing, wing struts, and/or the horizontal stabilizer deice boots and cause damage.

(3) Examine the cylinder attachment point for oil leaks.

(a) If oil is coming from the area of the beta spring housing, the piston seal is possibly leaking. Remove the propeller from service and return it to a McCauley authorized repair facility. Refer to Propeller (McCauley) - Maintenance Practices.

(4) Examine the area around the beta rod (3 each) bushings for oil leaks.

NOTE: The propeller hub is filled with turbine oil of the same type that is used in the engine. There are NO grease fittings on this propeller.

NOTE: Oil leaks found around the propeller mounting flange can or can not come from the flange. Other items such as the governor beta valve, or prop shaft seal can cause the oil leaks.

(5) Examine the propeller mounting area for oil leaks.

(6) Examine the viewable area of the engine propeller shaft seal just aft of the spinner bulkhead.

(7) If installed, examine the anti-ice boots for abrasions, exposed heating elements, cuts, nicks, and security of attachment.

(a) Examine the wiring from the boots to the terminal strips on the spinner bulkhead for condition, chafing, correct routing, and security of attachment at all clamps.

(b) Examine the connector between the boot and the wire harness for security of attachment.

(c) Examine the wire harness connectors at the terminal strips for condition and security of attachment.

(d) Examine the boot edge dressing for condition.

1 If necessary, touch-up damaged or exposed areas.

(8) Examine the terminal strips for condition and security of attachment to spinner bulkhead.

(9) For airplanes with TKS, examine the feeder boots for abrasions, cuts, nicks, and security of attachment.

G. Examine the Hub (Refer to Figure 601).

(1) Examine the exposed area for condition, cracks, corrosion, and security of the components to the hub.

(2) Examine the hub for oil leaks at the blade butts and the mount flange.

(3) Examine the feathering spring housing for condition, cracks, corrosion, and security.

(4) Examine the cylinder for condition, oil leaks at mount flange, and security of attachment.

(5) Visually examine the propeller for security of installation.

(6) Examine the attach nuts for condition and that each stud has a spacer under the elastic attach nut.

(7) Visually examine the nuts for security.

NOTE: The nut installation is correct if the torque putty on the nuts is not broken.

(a) If you are not sure that the installation is correct, torque the nuts again, and apply new torque putty. Refer to Propeller (McCauley) - Maintenance Practices.

H. Examine the Beta System Feedback Collar (Refer to Figure 601).

(1) Examine the beta feedback collar for condition, corrosion, and security of installation.

(2) Examine the reversing lever for condition and security.

(3) Examine the reversing lever for free play.

(a) If there is free play at the beta valve, remove the clevis pin and examine the sleeve bushing for signs of wear at the attach location.

1 If there is wear, replace the bushing.

(b) If the lever has free play at the beta cable clevis, remove bolt at the clevis and examine the sleeve spacer for signs of wear at the attach point.

1 If there is wear, replace the spacer.

(4) Examine the alignment pin for condition and security.

(5) Examine the carbon brush for wear and signs of damage.

(6) To examine the carbon brush for wear, do the steps that follow:

(a) Hold the carbon brush against the feedback collar.

(b) Turn the feedback collar and measure the clearance between the carbon brush and the feedback collar around the full circumference of the feedback collar.

NOTE: The clearance between the brush and the feedback collar must not be more than 0.010 inch (0.254 mm) at any area around the full circumference of the collar.

CAUTION: Do not turn the elastic low pitch stop nuts installed on the beta rods.

(7) Examine the beta rods (3 each) for condition and security.

(a) The beta rod locknuts are installed correctly if the torque putty has not been disturbed.

(8) Examine the varistor installed near the center at the top of the forward side of the firewall for condition and security of installation.

(9) Examine the electrical connections for condition, routing, signs of chaffing, and security.

(10) Discoloration of the varistor or the electrical leads, or a failure can be a sign that a lightning strike has occurred.

(a) If you think that there was a lightning strike to the airplane, refer to Chapter 5, Unscheduled Maintenance Checks, Lightning Strike.

I. Examine the Propeller Governor (Refer to Figure 601).

(1) Examine the propeller governor for condition, oil leaks, and security.

(a) Make sure that the hardware is safety wired except for the four self-locking attach nuts.

(2) Examine the speed adjusting lever return spring for condition and security.

(3) Examine the air bleed link for corrosion, condition, and security.

(4) Examine the governor interconnecting rod for corrosion, condition, security and wear.

(5) Make sure that the rod end bearings turn freely and do not bind.

(6) Examine all hardware for corrosion, condition, and correct safety.

NOTE: It is not necessary to safety wire the four self locking mounting nuts.

J. Examine the Propeller Cable Terminal Rod End (Refer to Chapter 76, PT6A-114/-114A Engine Rigging - Adjustment/Test, Figure 510).

(1) Disconnect the rod end from the propeller speed adjusting lever. Refer to Chapter 76, Propeller Control - Maintenance Practices.

(2) Wipe the rod end clean with a clean lint-free cloth.

(3) Examine the rod end for corrosion, pitting, and cleanliness.

(4) Lubricate the rod end ball with MIL-L-7870.

(5) Connect the rod end to the adjusting lever. Refer to Chapter 76, Propeller Control - Maintenance Practices.

K. Examine the Overspeed Governor (Refer to Figure 601).

NOTE: Verify part number of governor to complete engine run portion of functional check.

(1) Examine the overspeed governor for condition, oil leaks, and security.

(a) Make sure that the hardware is safety wired except for the four self-locking attach nuts.

(2) Examine the electrical wiring and the electrical connection at the test solenoid for signs of damage, correct wire routing, and security.

(3) Examine the governor reset test solenoid for condition and security.

(4) Install the upper left cowling door. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

(5) Install the nose cap. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

(6) Install the propeller spinner. Refer to Propeller (McCauley) - Maintenance Practices.

(a) Make sure that the correct number of spacers between feathering spring housing and spinner support are installed at the locations that were recorded during the removal of the spinner.

(7) Do the Propeller Overspeed Governor Functional Check. Refer to Propeller Control - Maintenance Practices.

L. Restore Access

NOTE: The propeller spinner, nose cap, and upper left cowling door were installed before the functional check.

(1) None

END OF TASK

Reg. Mark : PK - SNI Date :

MSN : 208B-5068 Station :

TSN / CSN : WO No. : WO/019-SNI/VIII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
B215001	121 122	Compressor Drive Belt Functional Check Task 21-50-00-720		
A322001	710	Nose Landing Gear Detailed Inspection Task 32-20-00-220		
*** End of Inspection Document 08 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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

Reg. Mark : PK - SNI Date :

MSN : 208B-5068 Station :

TSN / CSN : WO No. : WO/019-SNI/VIII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
B243301	122	Concord Sealed Lead Acid Battery Functional Check (Capacity Check) **EPV Voltage : _____ Volt** **Result : _____ %** NOTE: The inspections schedule may be adjusted after the useful battery life is established, based on operations." Task 24-33-00-720		
*** End of Inspection Document 26 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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

	EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR	**PT. SMART CAKRAWALA AVIATION** DEPARTMENT TEKNIK Form: **SCA/MTC/023**

DATE :	**A/C REG : PK-SNI**
A/C TYPE : C208B Grand Caravan EX	**CHECKER : SIGN:**

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest				
2	Co-Pilot Life Vest				
3	Pax Life Vest				
4	Pax Life Vest				
5	Pax Life Vest				
6	Pax Life Vest				
7	Pax Life Vest				
8	Pax Life Vest				
9	Pax Life Vest				
10	Pax Life Vest				
11	Pax Life Vest				
12	Pax Life Vest				
13	Firt Aid Kit				
14	Crash Axe Installed				
15	Fire Extinguisher				
16	Life Raft (If Installed)				
17	Survival Kit (If Installed				
OTHERS					

Aircraft Registration: **PK-SNI**

WO# Nr: **WO/019-SNI/VIII/2022**

Additional Work Sheet
Inspection Doc. 06 & Add

Parts Used Sheet

Special Tool Used

No.	Description	Due Date	Engineer

Additional Work Sheet
Inspection Doc. 06 & Add

Aircraft Registration: **PK-SNI**

WO# Nr: **WO/019- SNI/VIII/2022**

Parts Used Sheet

Part Used

Date	Part Nr.	Serial Nr.	Description	Quantity	Engineer