PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : **Inspection 800 Hours and Add Task**	No.	WO/100-SNP/IX/2022
	Date	9 Sept 2022
	A/C Reg.	PK-SNP C208B-5495
Reference : MP C208B REV. 12	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Inspection 800 Hours and Add Task due at 4000 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
9 Sept 2022	WO/100-SNP/IX/2022	Inspection 800	
Hours & Add			

A/C Type	Mfg. Serial Number	A/C Registration
C208B	C208B-5495	PK-SNP

AIRCRAFT DATA

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-VA0723	
	#2	-	
Propeller/Rotor	#1	180972	
	#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	-	
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/100-SNP/IX/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B03	PT6A-140 ENGINE GROUND RUN PERFORMANCE				
2	CHAPTER 12	INSPECTION DOCUMENT 06				
3	CHAPTER 13	INSPECTION DOCUMENT 07				
4	CHAPTER 14	INSPECTION DOCUMENT 08				
5	CHAPTER 15	INSPECTION DOCUMENT 09				
6	CHAPTER 16	INSPECTION DOCUMENT 10				
7	CHAPTER 32	INSPECTION DOCUMENT 26				
8	CHAPTER 51	ENGINE PT6A-140 100 HOUR INSPECTION				
9	CHAPTER 52	ENGINE PT6A-140 200 HOURS INSPECTION				
10	CHAPTER 53	ENGINE PT6A-140 200 HOURS / 6 MONTHS INSPECTION				
11	CHAPTER 56	ENGINE PT6A-140 1000 HOURS INSPECTION				
12	CHAPTER 54	ENGINE PT6A-140 400 HOURS INSPECTION				
13	NRC-01	REPLACEMENT VACUUM RELIEF VALVE				
14	NRC-02	REPLACEMENT CENTRAL AIR FILTER				
15	SCA/MT/023	EMERGENCY EQUIPMENT CHECK				

PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: CESSNA 208B	TTSN	:
A/C REG	: PK-SNP	TCSN	:
MSN	: C208B-5495	DATE	:

TYPE OF INSPECTION : INSPECTION 800 HOURS & ADD TASK
DUE AT : 4000 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/100-SNP/IX/2022		**REPLACEMENT COMPONENT**	**PK-SNP**
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
#01	**37**		
9. ZONE	10. PANEL		

11. DESCRIPTION

PERFORM VACUUM SYSTEM CENTRAL AIR FILTER REPLACEMENT
P/N: AAD9-18-1 / C294502-0201

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/100-SNP/IX/2022		**REPLACEMENT COMPONENT**	**PK-SNP**
5. CARD #	6. ATA SPEC	7.TRADE	8. STA
#02	**37**		
9. ZONE	10. PANEL		

11. DESCRIPTION

PERFORM VACUUM RELIEF VALVE FILTER REPLACEMENT
P/N: B3-5-1 / C482001-0202

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.

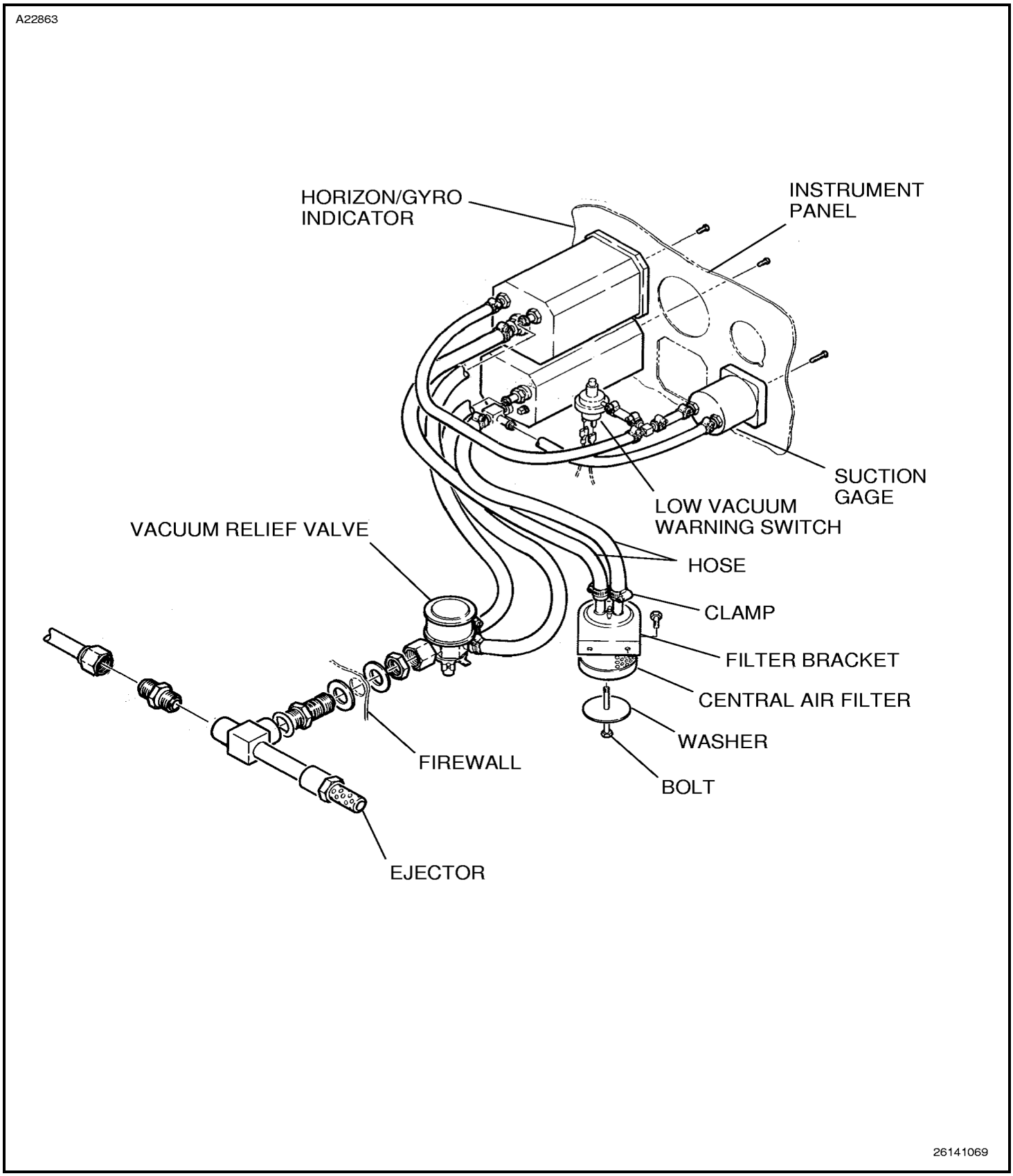
B. Install Air Filter (Refer to Figure 301).

(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



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

Engine Borescope Inspection

Job No: WO/0100-SNP/IX/2022

Engine Serial Number	Date	Base / Location	Aircraft Registration
PCE-VA0723		TIMIKA	PK-SNP
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. 73-10-05).		
2	Perform inspection of the First Stage Compressor. Defects: No found defect satisfactory 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

Item	Work Description	SIGN	STAMP
3	Perform inspection of Combustion Chamber Liner Assembly. Defects: Found litle carbon on combustion cahmber need to be continue compressor wash for clean chobustion chamber		

	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

4	Perform Inspection of CT-Stator assembly. Defects: No found defect satis factory If defects found, quote MM Limitation and References :	SIGN	STAMP

Photo of CT Stator 1st Quadrant	Photo of CT Stator 2nd Quadrant
Photo of CT Stator 3rd Quadrant	Photo of CT Stator 4th Quadrant

	Perform inspection of CT blades and shroud segments.	SIGN	STAMP

5	Defects: No found defect satisfactory If defects found, quote MM Limitation and References :		

Photo of Leading Edge CT-Blades 1st Quadrant	Photo of Leading Edge CT-Blades 2nd Q
Photo of Leading Edge CT-Blades 3rd Quadrant	Photo of Leading Edge CT-Blades 4th Quadrant

		SIGN	STAMP
6	Perform inspection Large Exit Duct Defects: No Found defect satisfactory If defects found, quote MM Limitation and References :		

Photo of Large Exit Duct 1st	Photo of Large Exit Duct 2nd Q
Photo of large Exit Duct 3rd Q	Photo of Large Exit Duct 4th Q

		SIGN	STAMP
7	Perform inspection of Small Exit Duct Defects: No found defect satisfactory If defects found, quote MM Limitation and References :		

Photo of Small Exit Duct 1st Q	Photo of Small Exit Duct 2nd Q
Photo of Small Exit Duct 3rd Q	Photo of Small Exit Duct 4th Q

		SIGN	STAMP
8	Install fuel manifold adapter(s) (Ref. 73-10-05).		
9	Perform fuel leak check post fuel nozzle installation		

BORESCOPE PERFORMED BY

Name: Signature : Stamp :

Appendix B03 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - SNP WO/FML No. : WO/100-SNP/IX/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	^{O}C	^{O}C
Ng	%	%
Wf		
Oil Press		^{O}C
Oil Temp		^{O}C
Start Temp		^{O}C

POST– INSPECTION	Target	Actual
Tq		
Np		
ITT	^{O}C	^{O}C
Ng	%	%
Wf		
Oil Press		^{O}C
Oil Temp		^{O}C
Start Temp		^{O}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 (^{O}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 (^{O}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

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

DATE :	**A/C REG : PK-SNP**
A/C TYPE : C208B	**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-SNP**

WO# Nr: **WO/100-SNP/IX/2022**

Additional Work Sheet
Inspection 800 Hours & Add
Parts Used Sheet

Special Tool Used

No.	Description	Due Date	Engineer

Aircraft Registration: **PK-SNP**

WO# Nr: **WO/100-SNP/IX/2022**

Additional Work Sheet Inspection 800 Hours & Add Parts Used Sheet

Part Used

Date	Part Nr.	Serial Nr.	Description	Quantity	Engineer