





PT. SMART CAKRAWALA AVIATION

## WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 100 Hours	No.	WO/027-SNO/VIII/2023
	Date	31 Aug 2023
	A/C Reg.	PK-SNO C208B-2375
Reference : MP C208B Issued 01	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		
<b>Description :</b>  1. Perform Inspection 100 Hrs 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.		
<b>Additional Work :</b>		
Compliance Statement	Sign & Date Company Lic. No.:   (Engineer in Charge) Dodit. Supriyanto	Signature   (Technical Manager)

Appendix B - Form: SCA/MTC/030

**AIRCRAFT CHECK WORK SUMMARY**  
(Form: SCA/MTC/051)

DATE OF ISSUED	JOWO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED	
31 Aug 2023	WO/027-SNO/VIII/2023	100 HRS INSP.		
A/C Type		Mfg. Serial Number	A/C Registration	
C208B		C08B-2375	PK-SNO	
<b>AIRCRAFT DATA</b>				
Subject	Pos #	Serial Number (SN)	TTSN/TCSN	
Engine	#1	PCE-PC1937	7081:29 / 9903	
	#2	-		
Propeller/Rotor	#1	111120	7081:29 / 9903	
	#2	-		
Landing Gear	NLG			
	LH MLG			
	RH MLG			
<b>PACKAGE COVERED</b>				
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)	-		
<b>INSPECTION CARD (IC) LIST (Finding during maintenance)</b>				
No	Taskcard Ref	Subject	Status Open    Close	Name/ Sign & Stamp
<u>IC-001</u>				
<u>IC-002</u>				
<u>IC-003</u>				

Prepared by :  
Technical Support

Checked by :  
Chief Maintenance

Verified by :  
Chief Inspector

Approved by :  
Technical Manager

  
Hani

  
Dodit

  
Yanuar

  
Istiono



PT. SMART CAKRAWALA AVIATION

## CERTIFICATE RETURN TO SERVICE

### SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : CESSNA 208B

TTSN : 7081:29

A/C REG : PK-SNO

TCSN : 9903

MSN : C208B-2375

DATE : 7 Sep 2023

TYPE OF INSPECTION : INSPECTION 100 HOURS ENGINE

DUE AT : 7088 HRS


REF : MP C208B ISSUED 01

EXCEPTION

- Nil Noted -

#### 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
Dodit. Supriyanto	AIRFRAME & POWER PLANT	4857 / SCAUS		07-Sep-2023
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 800 Hrs

DUE AT : 7188:00 Hrs

Form: SCA/MTC/049





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

WO Ref: WO/027-SNO/VIII/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B07	PT6A-114A ENGINE GROUND RUN	7 sept 2023		Dodit S	
2	APPENDIX D01	PT6A-114A ENGINE 100 HOURS INSPECTION	7 sept 2023		Dodit S	
3	SCA/MTC/023	EMERGENCY EQUIPMENT CHECKLIST	7 sept 2023		Dodit S	

Appendix B - Form: SCA/MTC/050



## MAINTENANCE PROGRAM CESSNA 208/208B

### Appendix B07 – PT6A-114A Engine Run Performance Sheet

Reg. Mark : PK-SNO

WO/FML No. : 027-5110/VIII/2023

PRE – INSPECTION	
Location	MKQ
Date	7 Sept 2023
Cycle	
Filed Barometric	29.921
OAT	27
Altitude	140

POST – INSPECTION	
Location	MKQ
Date	7 Sept 2023
Cycle	20.523
Filed Barometric	29.921
OAT	28
Altitude	160

PRE – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1880
ITT	772 °C	710 °C
Ng	98.5 %	98.4 %
Wf	450	451
Oil Press		97 °C
Oil Temp		70 °C
Start Temp		°C

POST – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1890
ITT	775 °C	741 °C
Ng	98.5 %	98.5 %
Wf	450	453
Oil Press		97 °C
Oil Temp		71 °C
Start Temp		°C

Engine Run Up Checks						
Inertial <input checked="" type="checkbox"/>	EPL <input checked="" type="checkbox"/>	OVG <input checked="" type="checkbox"/>	Stby Alt <input checked="" type="checkbox"/>	BOV <input checked="" type="checkbox"/>	Brake <input checked="" type="checkbox"/>	Randown <input checked="" type="checkbox"/>
<b>NOTE:</b> 1. Brake system at Torque 1500 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 52.5 – 53.5% 40Amps. 6. High idle at 64 – 66% Ng 40Amps.						

Engine Performance Target Table Cessna C208

OAT (°C)	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Tq (ft.lbs)	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865
Np	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
ITT (°C)	772	775	778	780	785	790	793	795	797	800	800	800	802	805	810
Ng (%)	98.5	98.5	99	99	99.1	99.2	99.4	99.5	99.5	100	100	100.2	100.5	100.7	100.9
WF (PPH)	450	450	450	450	450	450	450	450	450	450	450	450	448	448	446

**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 465 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.

<b>REMARKS:</b>  <p style="text-align: center;">- Nil Noted -</p>
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PERFORMED BY			
Name	Sign & Stamp	Date	Location
Dodit.S		7. Sept 2023	MKQ

Issued: 01  
SCA/TEK/1-001  
15 December 2022

Page B07.1



# MAINTENANCE PROGRAM CESSNA 208/208B

## Appendix D01 – Engine PT6A-114A 100 Hours/Minor Inspection

Reg. Mark : PK-SNO Date : 7 Sept 2023  
MSN : 208B-2375 Station : MKQ  
TSN / CSN : 708129 / 9903 WO No. : 027-SNO/VIII/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E710001	130	Do a check of the FCU manual override system for static operation.		
E710003	130	Do a compressor performance recovery wash.		
E710004	130	Inspect all accessible connections, clamps and brackets for attachment. Inspect accessible lockwire and safety cable for security and installation.		
E710005	130	Inspect of wear, chafing, cracks and corrosion for tubing, wiring, control linkage, hose assemblies. <b>NOTE:</b> Visually inspect insulated air tubes for signs of swelling, cracking, bulging of rubber sheath material. Refer to repair section and SB1687. Replace as necessary.		
E710006	130	Examine linkages. Pay particular attention to rear linkage cam box, fuel control unit arm, telescopic rod and rod end fittings. Disconnect rod ends and clean using solvent (PWC11-027) or (PWC11-031). Lubricate with light grease (PWC04-001) after engine external wash. Examine rod end for corrosion, roughness in rotation, side play and radial play. After lubrication reinstall rod ends and torque to specified value (Ref 76-10-00). Check free movement of linkage.		
E710007	130	Inspect attachment and linkages, air, oil and fuel lines (Ref. 73-10-07/-08). <b>NOTE:</b> Visually inspect insulated air tubes for signs of swelling, cracking, bulging of rubber sheath material. Refer to repair section and SB1687. Replace as necessary.		
E710011	130	Performed Deceleration Check		
E720001	130	Do a visual inspection of the engine exhaust duct welds.		

Issued: 01  
SCA/TEK/1-001  
15 December 2022

Page D01.1





## MAINTENANCE PROGRAM CESSNA 208/208B

### Appendix D01 – Engine PT6A-114A 100 Hours/Minor Inspection

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E720002	130	Do a visual inspection of the engine exhaust duct for cracks.		
E720003	130	External surfaces, and fireseal mount ring brackets for cracks, distortion, and corrosion of gas generator case (Ref. 72-30-04).		
E722001	130	Do a visual inspection of the air inlet screen.		
E722004	130	Cracks and attachment of brackets and seals of fireseal mount rings. (Ref. 72-30-01/-02)		
E723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion		
E731002	130	Do a visual inspection of the fuel pump (in-situ inspection only) for installation and leakage		
E731003	130	Check oil-to-fuel heater installation		
E731014	130	Check starting flow control/flow divider for installation and leaks.		
E731015	130	Check outlet filter for foreign matter or distortion (Ref. 73-10-02). <b>(CLEANING / REPLACEMENT)</b> P/N OFF: <u>AN6235 - 3A</u> P/N ON: <u>AN6235 - 3A</u>		
E731006	130	Check drain valve for installation and leaks		
E731008	130	Do a visual inspection of the P3 filter and drain valve.		
E731018	130	Clean or replace the P3 filter based on condition, service experience or environment. <b>Note:</b> If corrossions are found, replace filter.		
E732001	130	Check FCU for installation, linkages and pneumatic tubes.		
E732002	130	Examine the FCU for bearing wash-out, shown by blue dye (grease and fuel mixed) at FCU vent.		

Issued: 01  
SCA/TEK/1-001  
15 December 2022

Page D01.2



## MAINTENANCE PROGRAM CESSNA 208/208B







### Appendix D01 – Engine PT6A-114A 100 Hours/Minor Inspection



ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E792002	130	Oil filter elements and secondary screen (coarse hat-type screen attached to the inner end of the filter).		
E792003	130	Examine the forward oil transfer elbow installation on the Flange A. Make sure that the bolts tighten correctly		
D282101	130	Firewall Mounted Fuel Filter Servicing Task 28-21-00-610		
E722001	130	Do a visual inspection of the air inlet screen.		
E722004	130	Cracks and attachment of brackets and seals of fireseal mount rings. (Ref. 72-30-01/-02)		
E723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion		
E731002	130	Do a visual inspection of the fuel pump (in-situ inspection only) for installation and leakage		
E731003	130	Check oil-to-fuel heater installation		
E731014	130	Check starting flow control/flow divider for installation and leaks.		
E731015	130	Check outlet filter for foreign matter or distortion (Ref. 73-10-02). <b>(CLEANING / REPLACEMENT)</b> P/N OFF: <u>AN 6235 - 3A</u> P/N ON: <u>AN 6235 - 3A</u>		
E731006	130	Check drain valve for installation and leaks		
E731008	130	Do a visual inspection of the P3 filter and drain valve.		
E731018	130	Clean or replace the P3 filter based on condition, service experience or environment. <b>Note: If corrossions are found, replace filter.</b>		

Issued: 01  
SCA/TEK/1-001  
15 December 2022

Page D01.3




ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E732001	130	Check FCU for installation, linkages and pneumatic tubes.		
E732002	130	Examine the FCU for bearing wash-out, shown by blue dye (grease and fuel mixed) at FCU vent.		
E792002	130	Oil filter elements and secondary screen (coarse hat-type screen attached to the inner end of the filter).		
E792003	130	Examine the forward oil transfer elbow installation on the Flange A. Make sure that the bolts tighten correctly		
D282101	130	Firewall Mounted Fuel Filter Servicing Task 28-21-00-610		
*** End of Engine PT6A-114A 100 Hours/Minor Inspection Items ***				

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
Dodit Supriyanto	Engineer		AB57 / SCA 05
Purman Roni H.	MEKANIK		



### 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.

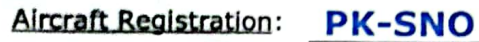
Name : Dodit Supriyanto Place/Date : MKG 07 Sept 2023

Sign & Stamp :  

	<b>EMERGENCY EQUIPMENT LIST INSPECTION &amp; MONITOR</b>	<b>PT. SMART CAKRAWALA AVIATION DEPARTMENT TEKNIK Form: SCA/MTC/023</b>
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<b>DATE</b> : 07. September 2023	<b>A/C REG</b> : PK-SNO	
<b>A/C TYPE</b> : C208 B	<b>CHECKER</b> : 	<b>SIGN</b> : 

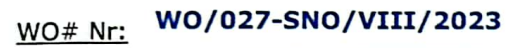
No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01202 - 201	22090440296	20 MARCH 2024	Serviceable
2	Co-Pilot Life Vest	P01202 - 201	22090440286	July 2024	Serviceable
3	Pax Life Vest				
4	Pax Life Vest				
5	Pax Life Vest				
6	Pax Life Vest				
7	Pax Life Vest				
8	Pax Life Vest				
9	Pax Life Vest				
10	Pax Life Vest				
11	Pax Life Vest				
12	Pax Life Vest				
13	Firt Aid Kit	FAK	NSN	15 Dec 2023	Serviceable
14	Crash Axe Installed	NPN	NSN	Dec 2023	Serviceable
15	Fire Extinguisher	C352	F75060951	NOV 2023	Serviceable
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
<b>OTHERS</b>					



**Additional Work Sheet**  
**100 Hrs**  
**Inspection**  
**Parts Used Sheet**

[illegible]





## Part Used

[illegible]