



PT. SMART CAKRAWALA AVIATION

## WORK ORDER

Form: SCA/MTC/030



<b>Subject :</b> Inspection Document 21 (Pitot Static Test) & Document 22 (Transponder Test) Due July 2022	No.	WO/015/VII/2022
	Date	1 July 2022
	A/C Reg.	PK-SNI C208B-5068
<b>Reference :</b> MP C208B Rev. 12	Prepared By	TS
	Checked By	CI
	Approved By	TM
<b>To :</b> Engineer In Charge		

### Description :

1. Perform Inspection Document 21 (Pitot Static Test) & Document 22 (Transponder Test) Due July 2022
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 :

<b>Compliance Statement</b>  Carried out	<b>Sign &amp; Date</b> Company Lic. No.: SCA27   29/ Juli 2022 (Engineer In Charge)	<b>Signature</b>   (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		
1 July 2022	WO/015-SNI/VII/2022	Inspection Doc. 21 & Doc. 22	29 July 2022		
A/C Type		Mfg. Serial Number	A/C Registration		
C208B		C208B-5068	PK-SNI		
<b>AIRCRAFT DATA</b>					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-VA0073	2887:47 / 5078		
	#2	-			
Propeller/Rotor	#1	P7785550-01	29031		
	#2	-			
Landing Gear	NLG		7231:51 / 12200		
	LH MLG		7231:51 / 12200		
	RH MLG		7231:51 / 12200		
<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	-			
6	Escalation form	-			
7	CRS (SMI / Unscheduled Maintenance)	1	✓		
<b>INSPECTION CARD (IC) LIST (Finding during maintenance)</b>					
No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
<u>IC-001</u>		NIL			
<u>IC-002</u>					
<u>IC-003</u>					
<u>IC-004</u>					
<u>IC-005</u>					
<u>IC-006</u>					

INSPECTION CARD (IC) LIST (Finding during maintenance)					
No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
<u>IC-007</u>					
<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					

Prepared by :  
Technical Support



Hani

Checked by :  
Chief Maintenance



Dodit

Verified by :  
Chief Inspector



Yanuar

Approved by :  
Technical Manager



Istiono





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

WO Ref: WO/097-SNP/VI/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	CHAPTER 27	INSPECTION DOCUMENT 21 (PITOT/STATIC SYSTEM FUNCTIONAL CHECK)	29/07/2022		Wahyono	
2	CHAPTER 28	INSPECTION DOCUMENT 22 (TRANSPONDER FUNCTIONAL CHECK)	29/07/2022		Wahyono	



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE	: CESSNA C208B	TTSN	: 7231 : 51
A/C REG	: PK-SNI	TCSN	: 12200
MSN	: C208B-5068	DATE	: 29 Juli 2022

TYPE OF INSPECTION : INSPECTION DOC. 21 (PITOT/STATIC) & DOC. 22 (TRANSPONDER)

DUE AT : JULY 2022


REF : MP C208B REV. 12

EXCEPTION

NO 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
WAHYONO	AIRFRAME & POWER PLANT	5792/SCA27		29 / 2022 Juli
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : Inspection Doc 21 (pitot static) & Doc 22 (Transponder)

DUE AT : Juli 2024

Form: SCA/MTC/049



# 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
NIL		

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
NIL			
Performed at A/C TT : ..... A/C TC /LDG : .....			

20. CORROSION INFORMATION			
LOCATION	CAUSE OF DAMAGE		
	<input type="checkbox"/> Environment <input type="checkbox"/> Internal Leakage <input type="checkbox"/> Chemical Spill <input type="checkbox"/> LAV/Galley Spill <input type="checkbox"/> Blocked Drain <input type="checkbox"/> Wet Insulation Blanket <input type="checkbox"/> Other		
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread			
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3			
PROPOSED ACTION <input type="checkbox"/> Doublers <input type="checkbox"/> Others			
21. If the defect is RII, Please Sign this card finally by RII Inspector			
NOTICE OF INSPECTOR		INSP	DATE

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





## MAINTENANCE PROGRAM CESSNA C208/C208B

### Chapter 27 – Inspection Document 21

Reg. Mark : PK - SNI  
MSN : C208B-5068  
TSN / CSN : 7231:51 / 12200

Date : 29 Juli 2022  
Station : Nabire  
WO No. : WO/015-SNI/VII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
B341103	AUX	Pitot/Static System Functional Check Task 34-11-00-720		
*** End of Inspection Document 21 Items ***				

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
Wahyono	Engineer		5792

### 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 : Wahyono Stamp :   
Signature : Place/Date : Nabire, 29 Juli 2022

between the air pressure in the static pressure system and the true ambient static air pressure for any flight configuration.

- (6) Examine the drain valve(s) for condition, water in static system, and security of installation.

**CAUTION:** Do not open the autopilot drain plugs unless moisture is found in the left static system drain valve. If the autopilot static drain plug is removed to drain moisture, you must do a static system check after you install the plug.

- (7) Examine the drain valve(s) tubing connections for condition and security.

- (8) Connect external electrical power to the airplane.

- (9) Set the External Power Switch to BUS.

- (10) Set the Battery Switch to ON.

- (11) Set the Avionics Switches 1 and 2 to ON.

- (12) Do a self-test on the air data test set and record the leak rate for future use.

- (13) Connect the air data test set to the left pilot's pitot/static probe in accordance with the manufacturer's instructions.

**CAUTION:** Make sure that the static system pressure is not more than pitot system pressure, or instrument damage can occur. Do not apply pitot pressure to the static system or a vacuum to the pitot system. Do not do a leak test of the pitot and static system with soap and water or other liquids.

**CAUTION:** Do not apply power to pitot probes when the test adapters are installed.

**NOTE:** The pressure sensors inside of the GDC 74 are internally heated and must stabilize before the test. The G1000 / Air Data System must be powered on for a minimum of 15 minutes before you take calibration readings.

- (14) Push in on the BARO correction knob on PFD1 and make sure that the pressure display reads 29.92 IN (1013 HPA).

- (a) Set the barometric setting on the standby altimeter to 29.92 IN.

- (15) Use the air data test set to increase the pressure to the left pitot systems to generate the airspeeds (A/S) shown in Table 601. Record the airspeed displayed on the PFD and the standby airspeed indicator.

**Table 601. Airspeed Display Check**

Input Airspeed	Airspeed Indication Limit on PFD1	Airspeed Indication on PFD1	Airspeed Indication on PFD2	Airspeed Indication Limit on Standby Airspeed Indicator	Airspeed Displayed on Standby Airspeed Indicator
100	100 ± 2 kts	100 Kts	100 Kts	100 ± 4 kts	100 Kts
125	125 ± 2 kts	125 Kts	125 Kts	125 ± 4 kts	125 Kts
150	150 ± 2 kts	150 Kts	150 Kts	150 ± 4 kts	150 Kts
175	175 ± 2 kts	175 Kts	175 Kts	175 ± 4 kts	175 Kts

**NOTE:** Airspeed tape changes to RED above 175 KIAS.

- (16) Slowly increase the pressure and make sure that the airspeed warning horn gives an audible sound at 178 KIAS, +3 or -3 KIAS.

- (17) Slowly decrease the pressure and make sure that the airspeed warning horn sound stops at 178 KIAS, +3 or -3 KIAS.

- (18) With the test set input set at 175 knots do the leak check on the system.

- (a) After 1 minute the maximum allowable loss must not be more than 5 knots.

**NOTE:** The aircraft's leak rate is determined by subtracting the recorded test set's internal leakage.

- (19) Set the altitude on the test set to the values shown in Table 602.

**Table 602. Altitude Display Check**

Test Set Altitude Input	Altitude Indication Limit	Altitude Indication PFD 1	Altitude Indication PFD 2	Standby Altimeter Reading Indication Limit	Standby Altimeter Reading Indication



1,500 ft	1,500 ± 25 ft	1500 ft	1500 ft	1,500 ± 25 ft	1500 ft
10,000 ft	10,000 ± 80 ft	10,000 ft	10,000 ft	10,000 ± 80 ft	10,000 ft
25,000 ft	25,000 ± 155 ft	25,000 ft	25,000 ft	25,000 ± 155 ft	25,000 ft

- (20) Slowly apply suction until the altimeter shows a 1000- foot (304.800 m) increase in altitude.
- Close the suction source to keep the system closed for one minute.
  - Make sure that the decrease in altitude is not more than 100 feet as shown on the altimeter.
  - If the leakage rate is within tolerance, slowly release the suction source.
  - If the leakage rate is more than the maximum permitted rate, tighten all the connections and do a leakage test.
  - If the leakage rate is still more than the maximum permitted rate, do the steps that follow:
    - Disconnect the static pressure lines from the airspeed indicator and the vertical speed indicator.
    - Use the correct fittings and connect the pressure lines together so the altimeter is the only instrument connected to the static pressure system.
    - Do a leak test to find whether the static pressure system or the bypassed instruments are the cause of the leakage.

- (21) Do the test again for the right pitot/static system using PFD2. Record the data in Table 601 and Table 602.

**NOTE:** The standby altimeter and airspeed indicators are not connected to the right system.

- (22) Slowly return the pitot/static system to the field elevation.
- (23) Remove the air data test set in accordance with the manufacturer's instructions.
- (24) Set the PITOT-STATIC HEAT switch to ON for 30 seconds, then OFF.

**NOTE:** The pitot tubes have two heating elements, one in the front of and one behind the static port compensating ring. Make sure that both elements are operating.

**WARNING:** Use extreme caution when you touch the pitot tube surface with you bare hands. The pitot tube will cause severe burns to skin if it is left on too long.

- (25) Carefully make sure that the pitot tube becomes warm when the PITOT-STATIC HEAT switch is at the ON position.
- (26) Set the Avionics Switches 1 and 2 to OFF.
- (27) Set the Battery Switch to OFF.
- (28) Set the External Power Switch to OFF.
- (29) Remove the external electrical power from the airplane.
- (30) Do the Restore Access.

G. Do a Functional Check of the Pitot/Static Systems (Alternate Method). Refer to Figure 601.

- Examine the pitot tube(s) and the static port(s) for condition, corrosion, and obstructions.
- Examine the mast(s) for condition, bends, and damage.
  - Make sure that the sealant at the mast-to-wing joint is in good condition.
- Examine all pitot/static system plumbing for condition and security.
  - Make sure there are no low spots in the tubing that would cause water to collect.
- Make sure that there is no moisture and/or restrictions caught in the static system.
- Make sure that there are no alterations or deformations of the airframe surface that would affect the relationship between the air pressure in the static pressure system and the true ambient static air pressure for any flight configuration.
- Examine the drain valve(s) for condition, water in static system, and security of installation.

**CAUTION:** Do not open the autopilot drain plugs unless moisture is found in the left static system drain valve. If the autopilot static drain plug is removed to drain moisture, you must do a static system check after you install the plug.

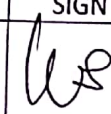

- Examine the drain valve(s) tubing connections for condition and security.
- Connect external electrical power to the airplane.


# MAINTENANCE PROGRAM CESSNA C208/C208B

## Chapter 28 – Inspection Document 22

Reg. Mark : PK - SNI  
MSN : C208B-5068  
TSN / CSN : 7231 : 51 / 12200


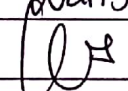
Date : 29 Juli 2022  
Station : N6X  
WO No. : WO/015-SNI/VII/2022

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
B345001	AUX	Transponder Functional Check Task 34-50-00-720		
*** End of Inspection Document 22 Items ***				

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
Wahyono	Engineer		5992

### 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 : Wahyono Stamp :   
Signature :  Place/Date : Nabire, 29 Juli 2022





WO# Nr: **WO/015-SNI/VII/2022**

## Parts Used Sheet

[illegible]