Appendix B - Form: **SCA/MTC/030**

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

DATE OF ISSUED		JO/WO #		TYPE OF MAINTENANCE		DATE OF ACCOMPLISHED	
8 Jun 2023		WO/022-SNW/VI/2023		Removal			
A/C Type			Mfg. Serial Number			A/C Registration	
C208B			C208B-5579			PK-SNW	
AIRCRAFT DATA							
Subject		Pos #	Serial Number (SN)			TTSN/TCSN	
Engine		#1	PCE-VA0651				
		#2	-				
Propeller/Rotor		#1	190815				
		#2	-				
Landing Gear		NLG					
		LH MLG					
		RH MLG					
PACKAGE COVERED							
No	Subject			Qty	Remark		
1	Non-Routine Card			1			
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			
<u>IC-001</u>							
<u>IC-002</u>							
<u>IC-003</u>							
<u>IC-004</u>							
<u>IC-005</u>							
<u>IC-006</u>							


<u>00</u>					
<u>008</u>					
<u>00</u>					
<u>010</u>					
<u>011</u>					
<u>01</u>					
<u>013</u>					
<u>01</u>					
<u>01</u>					

p r d
 Technical Support


d
 Chief Maintenance

V r d
 Chief Inspector

Appr d
 Technical Manager



 Dwi M.



 Dodit



 Yanuar



 Istiono



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

WO Ref: WO/022-SNW/VI/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	NRC-01 006/EO/TEK-TS/VI/2023	PT6A-140 ENGINE REMOVAL				



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : CESSNA 208B	TTSN :
A/C REG : PK-SNW	TCSN :
MSN : C208B-5579	DATE :

TYPE OF INSPECTION	: ENGINE REMOVAL
DUE AT	: UNK
REF	: MP C208B ISSUED 01

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

	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				
	<input type="checkbox"/> Environment				
	<input type="checkbox"/> Internal Leakage				
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread	<input type="checkbox"/> Chemical Spill				
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> LAV/Galley Spill				
PROPOSED ACTION <input type="checkbox"/> Doublers	<input type="checkbox"/> Blocked Drain				
<input type="checkbox"/> Others	<input type="checkbox"/> Wet Insulation Blanket				
.....	<input type="checkbox"/> 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/22-SNW/VI/2023		REMOVAL	PK-SNW
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
001	71		
9. ZONE	10. PANEL		
POWERPLANT			

11. DESCRIPTION			
ENGINE REPLACEMENT PT6A-140 P/N			
OFF : 3076226-01/BS1294 S/			
S/N OFF : PCE-VA0651			
REFERENCE	<input type="checkbox"/> AMM	<input checked="" type="checkbox"/> EMM	<input type="checkbox"/> OTHER
RII (*)	<input type="checkbox"/> Y	<input type="checkbox"/> N	MHR :

12. RESULT			MECH	ENG	INSP (*)
Performed at A/C TT : A/C TC /LDG :					
FINDING	<input type="checkbox"/> Y	<input type="checkbox"/> 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

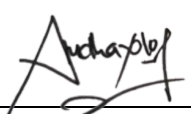
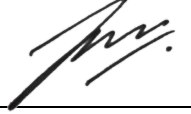

	TECHNICAL SUPPORT TECHNICAL DEPARTMENT ENGINEERING ORDER		006/EO/TEK-TS/VI/2023	
			Rev. No	ORIGINAL
			Rev. Date	08/06/2023


ENGINEERING ORDER

006/EO/TEK-TS/VI/2023

REMOVAL OF ENGINE ASSY PT6A-140 ON CESSNA 208B

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	Chief Inspector	Technical Manager
Signature: 	Signature: 	Signature: 
Name: Dwi M.	Name: Yanuar A. Fatah	Name: Istiono
Date: 8 Jun 2023	Date: 8 Jun 2023	Date: 8 Jun 2023

	TECHNICAL SUPPORT TECHNICAL DEPARTMENT ENGINEERING ORDER		006/EO/TEK-TS/VI/2023	
			Rev. No	ORIGINAL
			Rev. Date	08/06/2023

SMART AVIATION ENGINEERING ORDER

	No. EI: 006/EO/TEK-TS/VI/2023	Rev. No. : ORIGINAL
	Date Issued : Jun 8, 2023	
Task Description : REMOVAL uOF ENGINE ASSY PT6A-140 ON CESSNA 208B	Data Reference : - Model 208 Series Maintenance Manual Revision 39, Revision Date Mar 1, 2023 Chapter 71 Power Plant – Maintenance Practices	
Aircraft Type : CESSNA 208B WITH ENGINE MODEL PT6A-140		



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING ORDER

006/EO/TEK-TS/VI/2023

Rev. No

ORIGINAL

Rev. Date

08/06/2023

SMART AVIATION ENGINEERING ORDER

1. Description.

This EO is issued, to perform removal & installation checklist powerplant maintenance practices the PT6A-140 engine on Cessna 208B.

2. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNW	208B-5579

3. Compliance

The Engine model PT6A-140 have TBO 4000 Hours, do a removal the engine installed on airframe refer to accomplishment instruction task card, and install the overhauled/new engine 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

32.0 man-hour to do the inspection.

6. Material.

NIL

7. Special Tool Required.

7/8 inch special tool 1 SET

8. Publication Affected.

None.



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING ORDER

006/EO/TEK-TS/VI/2023

Rev. No ORIGINAL

Rev. Date 08/06/2023

SMART AVIATION ENGINEERING ORDER

9. Accomplishment Instructions.

C208B ENGINE REMOVAL

Date : _____ Work Number : _____

Part No. Engine : PT6A-140 A/C Total Hours : _____

Ser. No. Engine : _____ A/C Total Landings : _____

Engine Time TSN: _____ TSO: _____

CSN: _____ CSO: _____

Removed from A/C Reg. : PK- SNW

Description	Eng.	RII	Remarks
A. REMOVE ENGINE (Refer to Figure 201 and Figure 202)			
CAUTION: Chock main wheels and place a tailstand under tailcone before attempting engine removal.			
1. Remove external electrical power from the airplane.			
2. Pull fuel firewall shutoff control out (off).			
3. Remove the cowl components as follows. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices: (a) The upper cowl doors. (b) The lower cowl panels. (c) The right nose cap.			
4. Use the filter drain to drain the residual fuel from lines and fuel filter. Refer to Chapter 28, Fuel Lines, Valves and Filters - Maintenance Practices.			
5. Remove the fuel supply hose at the fuel heater. Refer to Chapter 73, Oil-To-Fuel Heater - Maintenance Practice section of the Pratt and Whitney PT6A-140 Maintenance Manual P/N 3075742 found in the Introduction List of Publications.			
6. Remove the fuel motive flow hose at the motive flow shut-off valve. Refer to Chapter 73, Fuel Control Unit - Maintenance Practices section of the Pratt and Whitney PT6A-140 Maintenance Manual P/N 3075742 found in the Introduction List of Publications.			
7. Remove the oil cooler. Refer to Chapter 79, Oil Distribution - Maintenance Practices (PT6A-140).			



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING ORDER

006/EO/TEK-TS/VI/2023

Rev. No


ORIGINAL

Rev. Date

08/06/2023

**SMART AVIATION
ENGINEERING ORDER**

8. Remove top cowl center panel assembly and nose cap. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices			
9. Remove the propeller. Refer to Chapter 61, Propeller (Hartzell) - Maintenance Practices.			
10. Disconnect and remove propeller speed control cable. Refer to Chapter 76, Quadrant Assembly And Controls - Maintenance Practices.			
11. Remove the left nose cap/induction air duct/inertial air separator. Refer to Chapter 71, Inertial Air Separator - Maintenance Practice			
13. Disconnect the cabin heater bleed air line at the flow control valve. Chapter 21, Compressor Bleed Air Heater - Maintenance Practices.			
14. Disconnect the bleed air hose at mixing air valve. Chapter 21, Compressor Bleed Air Heater - Maintenance Practices			
15. Remove the starter/generator cooling air hose from starter/generator. For the 300 Amp Starter/Generator refer to Chapter 80, 300 AMP Starter/Generator Cooling Air Duct - Maintenance Practices. For the 200 Amp Starter/Generator refer to Chapter 80, Starter/Generator Cooling Air Blast Tube - Maintenance Practices			
16. Remove the oil pressure switch supply hose. Refer to Chapter 79, Oil Pressure Switch - Maintenance Practices			
17. Remove engine fire detector wiring harness. Chapter 26, Fire Detection System - Maintenance Practices			
18. Disconnect electrical wiring connectors and ground wires at the following equipment locations: <ul style="list-style-type: none"> • Battery Connector (PN004) (aft right side of engine) • Prop Overspeed Valve Connector (PN041) (left front of engine) • NP Speed Tach (PN033) (right front of engine) • Cabin Heat Bleed Air Valve connector (PN043) (lower right side of engine) • Oil Pressure Switch (PN030) (right side on engine truss). • Oil Temperature Sensor connector (PN031) (right rear of engine) • NG Speed Tach (PN034) rear, (lower right side of engine) • Starter Generator Connector (PN002) (center top of engine accessory case) • Ignition Exciter Connector (PN040) (right engine mount truss) • Fuel Flow Connector (PN032) (rear, lower right side of engine) • Torque Transducer (PN038) (right engine mount truss) 			

	TECHNICAL SUPPORT TECHNICAL DEPARTMENT ENGINEERING ORDER		006/EO/TEK-TS/VI/2023	
			Rev. No	ORIGINAL
			Rev. Date	08/06/2023

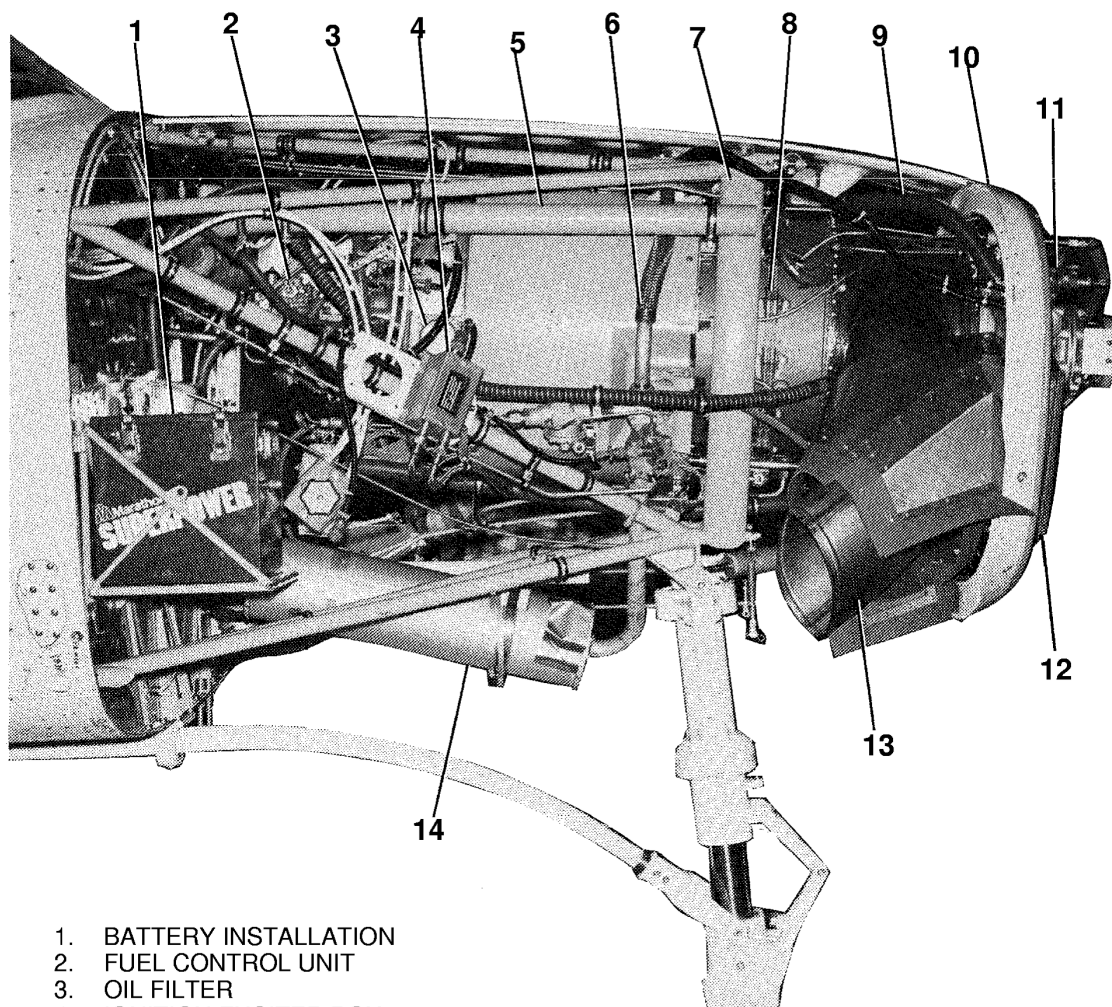
SMART AVIATION ENGINEERING ORDER

<ul style="list-style-type: none"> • RGB Chip Detector (PN035) (right engine mount truss) • Engine ground straps airplane frame connections. 			
19. Disconnect the engine power control cables at fuel control unit. Refer to Chapter 73, Fuel Control Unit - Maintenance Practices section of the Pratt and Whitney PT6A-140 Maintenance Manual P/N 3075742 found in the Introduction List of Publications.			
20. Remove torque meter pressure and vent lines at forward upper right side of engine mount truss. Refer to Chapter 77, Wet Torque Indicating System - Maintenance Practices (PT6A-140).			
21. Connect hoist sling to forward and aft lifting brackets and connect sling to engine hoist.			
22. Raise hoist to just support weight of engine and remove nuts and bolts at each of four corners of engine mounting ring.			
23. Make sure that all wiring and lines are free, then carefully move hoist and engine forward to clear engine mount truss.			
24. If engine is to be returned for overhaul or replaced refer to Prepare Engine to Send for Service.			

***** END OF THE TASK *****

SMART AVIATION ENGINEERING ORDER

A21758



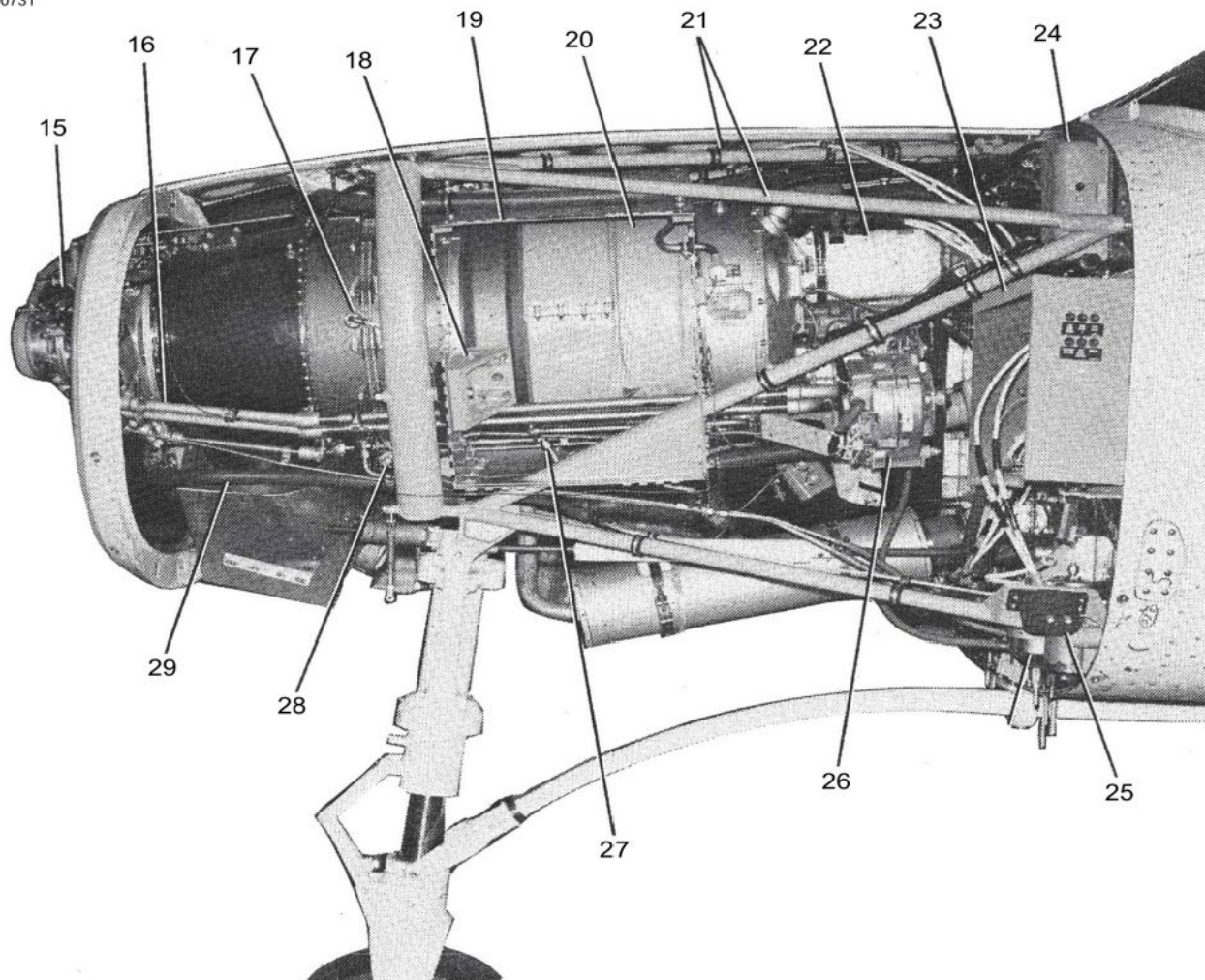
1. BATTERY INSTALLATION
2. FUEL CONTROL UNIT
3. OIL FILTER
4. IGNITION EXCITER BOX
5. STARTER/GENERATOR COOLING AIR
BLAST TUBE
6. BLEED AIR PRESSURE LINE
7. ENGINE MOUNT RING
8. FUEL MANIFOLD
9. OIL RETURN FROM OIL COOLER
10. RIGHT COWLING BULKHEAD
11. PROPELLER GOVERNOR
12. OIL COOLER
13. PRIMARY EXHAUST STACK
14. BLEED AIR HEATER MUFFLER

2650X1002

Figure 201 Sheet 1

SMART AVIATION ENGINEERING ORDER

A90731



- 15. PROPELLER OVERSPEED GOVERNOR
- 16. REDUCTION GEARBOX OIL LINES
- 17. SPARK IGNITER
- 18. ENGINE MOUNT BRACKET
- 19. INDUCTION AIR PLENUM
- 20. COMPRESSOR INLET
- 21. ENGINE MOUNT TRUSS
- 22. STARTER/GENERATOR

- 23. POWER DISTRIBUTION BOX
- 24. STANDBY ALTERNATOR CONTROL UNIT
- 25. AUXILIARY POWER RECEPTACLE
- 26. STANDBY ALTERNATOR
- 27. COMPRESSOR DRAIN LINE
- 28. FUEL MANIFOLD DUMP VALVE
- 29. OIL COOLER PRESSURE HOSE

Figure 201 Sheet 2



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING ORDER

006/EO/TEK-TS/VI/2023

Rev. No

ORIGINAL

Rev. Date

08/06/2023

ENGINE CHANGE - Major Component Inventory Record

Registration	:	Work Order Number	:
Airframe Time	:	Airframe Landings	:
Engine Time	:	Engine Cycle	:

	Engine OFF			Engine ON		
Description	Part Number	Serial Number	Time Remaining	Part Number	Serial Number	Time Remaining
Engine Assembly						
Propeller Assembly						
Compressor Bleed Valve						
Fuel Control Unit						
Oil Fuel Heater						
Igniter Exciter						
Flow Divider						
Oil Cooler						
Starter Generator						
Alternator						
Fuel Pump						
Propeller Governor						
Propeller Overspeed Governor						
Fuel Nozzle						

NOTE: ANY OTHER COMPONENT CHANGES MUST BE FILLED ON INSPECTION CARD (SCA/MTC/048)