



**PT. SMART CAKRAWALA AVIATION**

## **WORK ORDER**

**Form: SCA/MTC/030**

<b>Subject :</b> <b>Inspection Document 06 &amp; Add Task</b>	No.	WO/033-SNJ/IX/2022
	Date	20 Sep 2022
	A/C Reg.	PK-SNJ C208B-5640
<b>Reference :</b> MP C208B Rev. 12	Prepared By	TS
	Checked By	CI
	Approved By	TM
<b>To :</b> Engineer In Charge		
<b>Description :</b>  1. Perform Inspection Document 06 & Add Task 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>          		
<b>Compliance Statement</b>	<b>Sign &amp; Date</b> Company Lic. No.:  (Engineer In Charge)	<b>Signature</b>   (Technical Manager)

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

DATE OF ISSUED	JOWO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
20 Sept 2022	WO/033-SNJ//X2022	Inspection Doc. 06 & Add Task			
A/C Type	Mfg. Serial Number	A/C Registration			
C208B	C208B-5640	PK-SNJ			
<b>AIRCRAFT DATA</b>					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-VA0738			
	#2	-			
Propeller/Rotor	#1	210140			
	#2	-			
Landing Gear	NLG				
	LH MLG				
	RH MLG				
<b>PACKAGE COVERED</b>					
No	Subject	Qty	Remark		
1	Non-Routine Card	1	NRC-001		
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>					
<u>IC-002</u>					
<u>IC-003</u>					
<u>IC-004</u>					
<u>IC-005</u>					
<u>IC-006</u>					

<u>IC-007</u>					
<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					
<u>IC-011</u>					
<u>IC-012</u>					
<u>IC-013</u>					
<u>IC-014</u>					
<u>IC-015</u>					

Prepared by :  
Technical Support

Checked by :  
Chief Maintenance

Verified by :  
Chief Inspector

Approved by :  
Technical Manager



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PT. SMART CAKRAWALA AVIATION

## CERTIFICATE RETURN TO SERVICE

### SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : CESSNA 208B

TTSN :

A/C REG : PK-SNJ

TCSN :

MSN : C208B-5640

DATE :

TYPE OF INSPECTION : INSPECTION DOC. 06 & ADD TASK

DUE AT : 1200 FH

REF : 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**



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

WO Ref: WO/033-SNJ/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 51	ENGINE PT6A-140 100 HOURS INSPECTION/ MINOR INSPECTION				
6	CHAPTER 52	ENGINE PT6A-140 200 HOURS INSPECTION				
7	CHAPTER 53	ENGINE PT6A-140 200 HOUR/6 MONTHS INSPECTION				
8	CHAPTER 54	ENGINE PT6A-140 400 HOURS ENGINE INSPECTION				
9	CHAPTER 55	ENGINE PT6A-600 HOURS INSPECTION				
9	NRC 01	VACUUM AIR FILTER REPL.				
10	NRC 02	VACUUM RELIEF VALVE FILTER REPL.				
11	SCA/MTC/0 23	EMERGENCY EQUIPMENT CHECK				

	<b>INSPECTION CARD</b> <b>(Form: SCA/MTC/ 048)</b>	TECHNICAL DEPARTMENT
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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/033-SNJ/IX/2022		REPLACEMENT COMPONENT	PK-SNJ
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: D9-18-1 / C294502-0201			
REFERENCE	<input checked="" type="checkbox"/> AMM Ch. 37-10-00-960	<input type="checkbox"/> EMM Ch	<input type="checkbox"/> OTHER
RII (*)	<input type="checkbox"/> Y	<input checked="" 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
FILTER ELEMENT	D9-18-1 / C294502-0201	1		

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/033-SNJ/IX/2022		REPLACEMENT COMPONENT	PK-SNJ
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
#02	37		
9. ZONE	10. PANEL		

11. DESCRIPTION			
<b>PERFORM VACUUM RELIEF VALVE FILTER REPLACEMENT</b> <b>P/N: B3-5-1 / C482001-0202</b>			
REFERENCE	<input checked="" type="checkbox"/> AMM Ch. 37-10-00-961	<input type="checkbox"/> EMM Ch	<input type="checkbox"/> OTHER
RII (*)	<input type="checkbox"/> Y	<input checked="" 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
FILTER ELEMENT	B3-5-1 / C482001-0202	1		

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](#)).

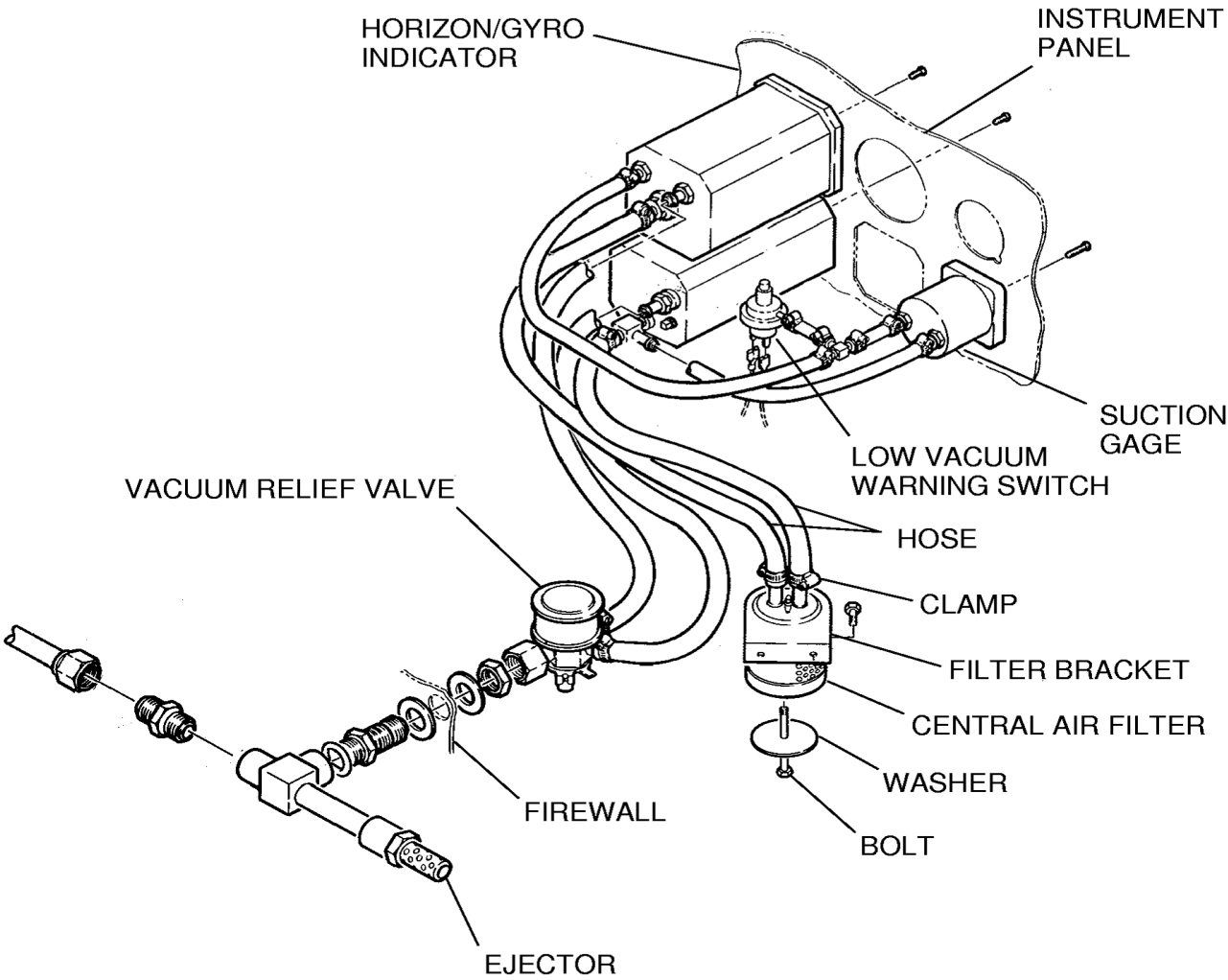
- (1) Unscrew bolt and washer from bottom of central air filter.
- (2) Remove central air filter from filter bracket.
- (3) Inspect for damage, deterioration and contamination. Clean or replace as required.

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

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# MAINTENANCE PROGRAM CESSNA C208/C208B

## Appendix B03 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - SNJ

WO/FML No. : WO/033-SNJ/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	°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 <input type="checkbox"/>	EPL <input type="checkbox"/>	OVG <input type="checkbox"/>	Stby Alt <input type="checkbox"/>	BOV <input type="checkbox"/>	Brake <input type="checkbox"/> Randomn <input type="checkbox"/>
<b>NOTE:</b> 1. Brake system at Torque 2000 ft-lbs.      3. EPL check can't exceed 4% Ng per second.      5. Low idle at 55.5 - 57% 40Amps. 2. Inertial Separator at Torque 400 ft-lbs.      4. Standby Alt at 80% Ng.      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




# **EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR**

**PT. SMART CAKRAWALA  
AVIATION  
DEPARTMENT TEKNIK  
Form: SCA/MTC/023**

<b>DATE :</b>	<b>A/C REG : PK-SNJ</b>
<b>A/C TYPE : C208B</b>	<b>CHECKER :</b> <b>SIGN:</b>

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)				
<b>OTHERS</b>					

	<b>DOCUMENT FORM BORESCOPE INSPECTION FORM</b>	
		Page   1


<b>Engine Borescope Inspection</b> Job No: WO/033-SNJ/IX/2022			
<u>Engine Serial Number</u> PCE-VA0738	<u>Date</u>	<u>Base / Location</u> TIMIKA	<u>Aircraft Registration</u> PK-SNJ
<u>Aircraft Total Time</u>	<u>Aircraft Total Cycle</u>	<u>Reason For Borescope</u> 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  <u>If defects found, quote MM Limitation and References :</u>		
<u>Photo of First Stage Compressor 1<sup>st</sup> Quadrant</u>		<u>Photo of First Stage Compressor 2<sup>nd</sup> Quadrant</u>	
<u>Photo of First Stage Compressor 3<sup>rd</sup> Quadrant</u>		<u>Photo of First Stage Compressor 4<sup>th</sup> Quadrant</u>	
3	Perform inspection of Combustion Chamber Liner Assembly. <u>Defects:</u> Found little carbon on combustion chamber need to be continue compressor wash for clean combustion chamber	SIGN 	STAMP 


	<b>DOCUMENT FORM BORESCOPE INSPECTION FORM</b>	
		Page   2

	<u>If defects found, quote MM Limitation and References :</u>			
<u>Photo of Combustion Chamber 1<sup>st</sup> Quadrant</u>		<u>Photo of Combustion Chamber 2<sup>nd</sup> Quadrant</u>		
<u>Photo of Combustion Chamber 3<sup>rd</sup> Quadrant</u>		<u>Photo of Combustion Chamber 4<sup>th</sup> Quadrant</u>		
4	Perform Inspection of CT-Stator assembly. <u>Defects:</u>  No found defect satis factory  <u>If defects found, quote MM Limitation and References :</u>		SIGN	STAMP
<u>Photo of CT Stator 1<sup>st</sup> Quadrant</u>		<u>Photo of CT Stator 2<sup>nd</sup> Quadrant</u>		
Photo of CT Stator 3 <sup>rd</sup> Quadrant		Photo of CT Stator 4 <sup>th</sup> Quadrant		
	Perform inspection of CT blades and shroud segments.		SIGN	STAMP

	<b>DOCUMENT FORM BORESCOPE INSPECTION FORM</b>	
		Page   3

5	<u>Defects:</u> No found defect satisfactory <u>If defects found, quote MM Limitation and References :</u>		
Photo of Leading Edge CT-Blades 1 <sup>st</sup> Quadrant		Photo of Leading Edge CT-Blades 2 <sup>nd</sup> Q	
<u>Photo of Leading Edge CT-Blades 3<sup>rd</sup> Quadrant</u>		<u>Photo of Leading Edge CT-Blades 4<sup>th</sup> Quadrant</u>	
6	Perform inspection Large Exit Duct <u>Defects:</u> No Found defect satisfactory <u>If defects found, quote MM Limitation and References :</u>	SIGN	STAMP
Photo of Large Exit Duct 1 <sup>st</sup>		Photo of Large Exit Duct 2 <sup>nd</sup> Q	
<u>Photo of large Exit Duct 3<sup>rd</sup> Q</u>		<u>Photo of Large Exit Duct 4<sup>th</sup> Q</u>	



	<b>DOCUMENT FORM BORESCOPE INSPECTION FORM</b>	
		Page   4

7	Perform inspection of Small Exit Duct Defects:  No found defect satisfactory  <u>If defects found, quote MM Limitation and References :</u>	SIGN	STAMP
<u>Photo of Small Exit Duct 1<sup>st</sup> Q</u>		<u>Photo of Small Exit Duct 2<sup>nd</sup> Q</u>	
<u>Photo of Small Exit Duct 3<sup>rd</sup> Q</u>		<u>Photo of Small Exit Duct 4<sup>th</sup> Q</u>	
8	Install fuel manifold adapter(s) (Ref. 73-10-05).	SIGN	STAMP
9	Perform fuel leak check post fuel nozzle installation		

<b>BORESCOPE PERFORMED BY</b>		
Name:	Signature :	Stamp :



## Additional Work Sheet

### Inspection Doc. 06 & Add Task

Aircraft Registration: **PK-SNJ**

WO# Nr: **WO/033-SNJ/IX/2022**

## Parts Used Sheet

### Special Tool Used

[illegible]



## Additional Work Sheet

### Inspection Doc. 06 & Add Task

Aircraft Registration: **PK-SNJ**

WO# Nr: WO/033-SNJ/IX/2022

## Parts Used Sheet

### Part Used

[illegible]