PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : **APE STOLL KIT INSTALLATION**	No.	WO/001-SNN/XII/2022
	Date	
	A/C Reg.	PK-SNN C208B-5706
Reference : MP C208B Rev. 12	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform APE STOLL KIT Installation
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.:	Signature
	Dodi Sudrajanto (Engineer In Charge) 20 Dec 2022	(Technical Manager)

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
	WO/001-SNT/XII/2022	APE STOLL INST.	

A/C Type	Mfg. Serial Number	A/C Registration
C208B	C208B-5707	PK-SNT

AIRCRAFT DATA

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-VA0838	47 : 33 /10
	#2	-	
Propeller/Rotor	#1	211046	47 : 33 /10
	#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
Dwi M.	Dodit	Yanuar	Istiono

smartaviation

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

WO Ref: WO/001-SNT/XII/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B02	PT6A-140-ENGINE GROUND RUN PERFORMANCE	20 Dec 2022		Dodi.S	
2	017/TEK-TS /XII/2022	INSTALLATION OF APE STOLL KIT	20 Dec 2022		Dodi.S	
3	B01	WEIGHT AND BALANCE				

PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: CESSNA 208B	TTSN	: 47 : 33
A/C REG	: PK-SNT	TCSN	: 10
MSN	: C208B-5707	DATE	: 20 Dec 2022

TYPE OF INSPECTION : APE STOLL KIT
DUE AT : -
REFF : MP C208B REV. 12

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
Dodi. Supriyanto	AIRFRAME & POWER PLANT	9857/SCA05		20 Dec 2022
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : -

DUE AT : - HOURS

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 #	
	C208B			
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

- **MASTER DRAWING**

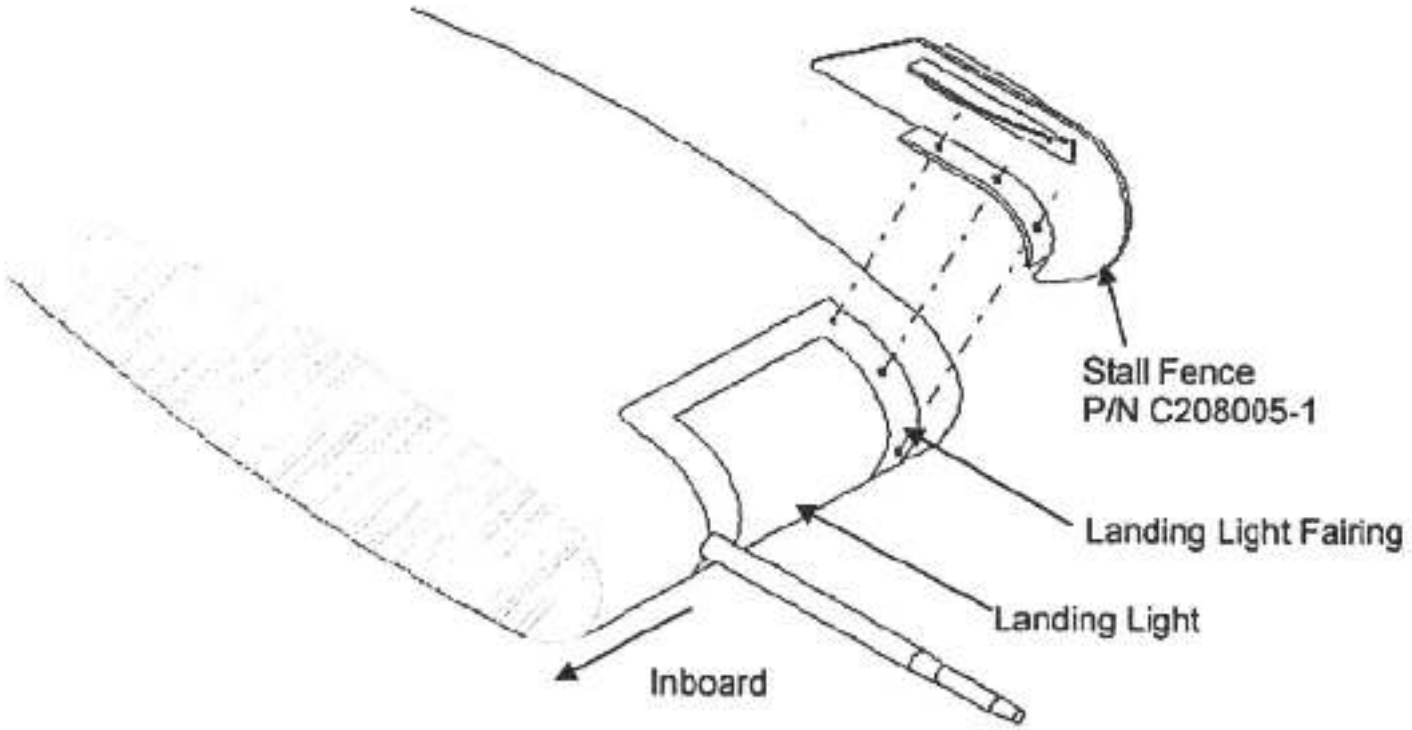
The AeroAcoustics Aircraft Systems, Inc. (AASI) already carried out the drawing and installation instruction. Ref. to Doc. AA1976, Rev. M, October 21st, 2019.

- **DESIGN DRAWING**

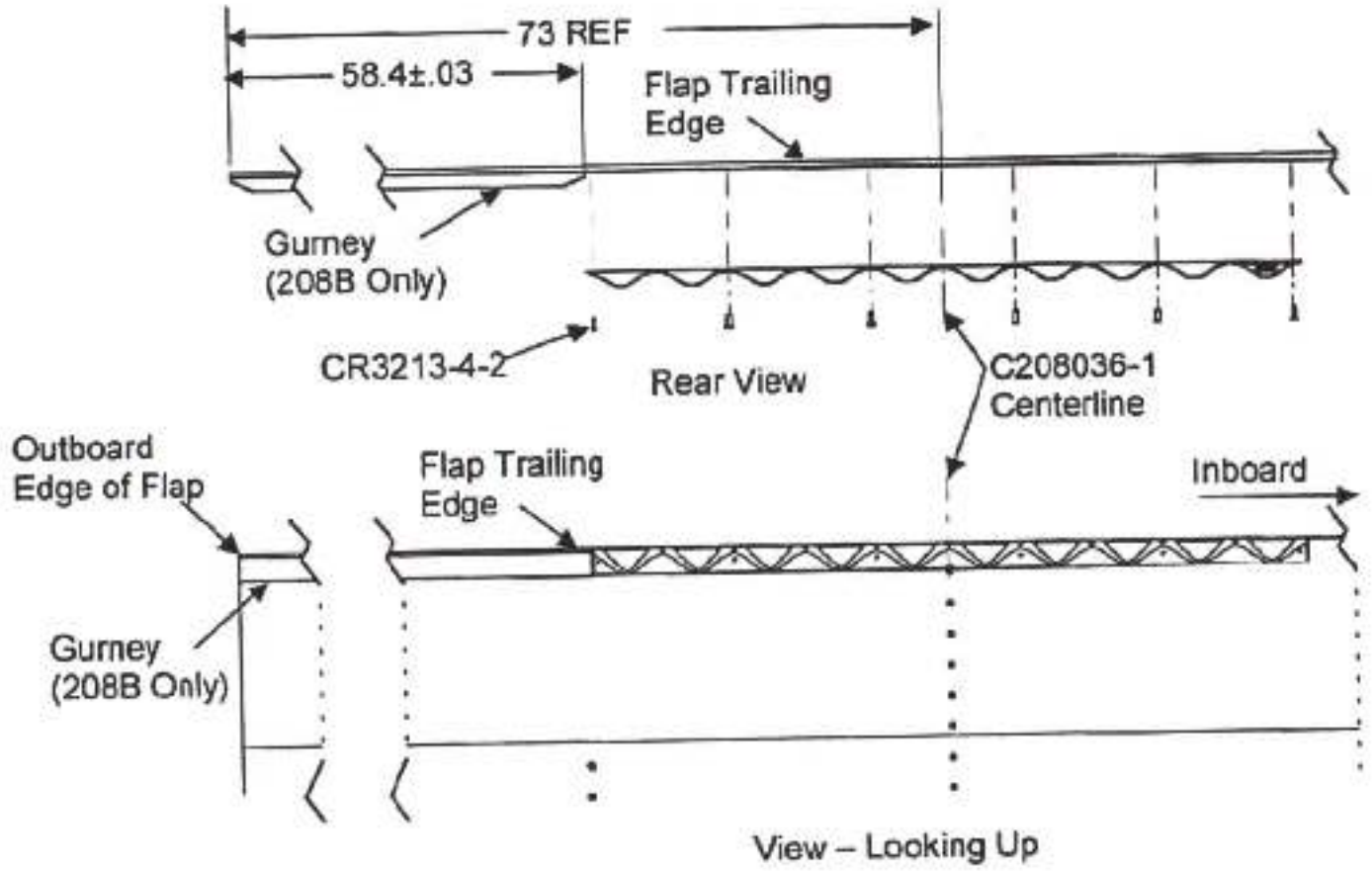
PT. Smart Cakrawala Aviation – Technical Support already carried out the drawing in installation instruction ref to The AeroAcoustics Aircraft Systems, Inc. (AASI) Doc. AA1976, Rev. M, October 21st, 2019.

- **LIST OF DRAWING**

SCATS-1976-01	Drawing of Left Wing Stall Fence Installation	1 Page
SCATS-1976-02	Drawing of Main Win Flap Trailing Edge Treatment	1 Page
SCATS-1976-03	Drawing of Brake Disk Spacer Installation	2 Page
SCATS-1976-04	Drawing of Towing and Jacking Limitations Placard	1 Page
SCATS-1976-05	Drawing of Overlay for Airspeed Limitation Placard	1 Page



ALL DIMENSION IN INCHES	PT. SMART CAKRAWALA AVIATION		DATE **18 Dec 2022**	DWN BY:	**TS**	APPVD BY:	**TM**
				DATE :	18.12.22	DATE :	18.12.22
	This drawing reference from Doc. AA1976	TITLE **LEFT WING STALL FENCE INSTALLATION**					
		SCALE **N.T.S**	DWG. NO. **SCATS-1976-01**			REV **0**	SHEET **1 of 1**



ALL DIMENSION IN INCHES	PT. SMART CAKRAWALA AVIATION		DATE 18 Dec 2022	DWN BY:	TS	APPVD BY:	TM
				DATE :	18.12.22	DATE :	18.12.22
	TITLE MAIN WING FLAP TRAILING EDGE TREATMENT						
	This drawing reference from Doc. AA1976	SCALE N.T.S	DWG. NO. SCATS-1976-02			REV 0	SHEET 1 of 1

Drawing List
Smart Aviation

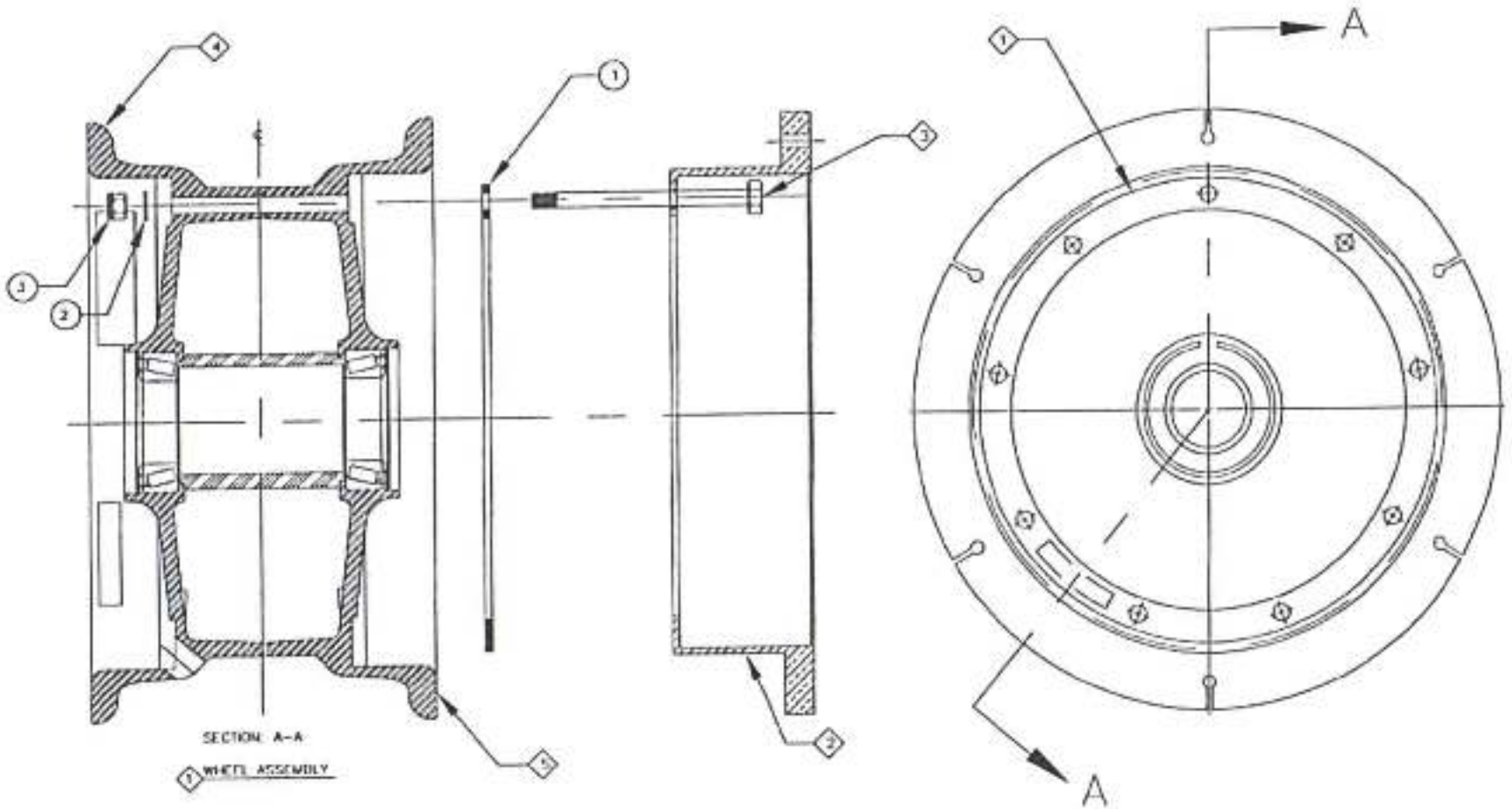
DRAWING LIST

017/TEK-TS/XII/2022

INSTALLATION & MAINTENANCE OF AIRCRAFT PAYLOAD EXTENDER SYSTEM FOR THE CESSNA CARAVAN 208B AEROACOUSTIC AIRCRAFT SYSTEMS, INC.

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	**Technical Manager**	**Chief Inspector**
Signature:	Signature:	Signature:
Name: Dwi Mahanani	Name: Istiono	Name: Yanuar A. Fatah
Date: 18 Dec 2022	Date: 18 Dec 2022	Date: 18 Dec 2022



ALL DIMENSION IN INCHES	PT. SMART CAKRAWALA AVIATION		DATE 18 Dec 2022	DWN BY:	TS	APPVD BY:	TM
				DATE :	18.12.22	DATE :	18.12.22
	This drawing reference from DWG No 858-100-I AERO TWIN, INC.	TITLE BRAKE DISK SPACER INSTALLATION					
		SCALE N.T.S	DWG. NO. SCATS-1976-03			REV 0	SHEET 1 of 2

INSTALLATION NOTES

WARNING: INJURY CAN RESULT FROM ATTEMPTING TO INSTALL BRAKE DISK SPACER WITH TUBE INFLATED; REFER TO SECTION 32-40-00 OF THE AIRCRAFT MAINTENANCE MANUAL.

1. REMOVE MAIN WHEEL, DEFLATE TUBE COMPLETELY, THEN REMOVE THRU-BOLTS AND BRAKE DISK.
2. INSTALL DISK SPACER; REINSTALL DISK AND THRU-BOLTS; TORQUE NUTS EVENLY TO 150 INCH-POUNDS.
3. REINSTALL WHEEL.
4. INSTALL P/N BSB-201, AXLE SHIM, AS REQUIRED TO INCREASE CLEARANCE BETWEEN WHEEL ATTACHMENT CASTING AND BRAKE DISC. INSTALL P/N BSB-201 IN ACCORDANCE WITH CESSNA 208 MAINTENANCE MANUAL, LATEST APPROVED REVISION, CHAPTER 32-10-00, MAIN LANDING GEAR ADJUSTMENT AND TEST, FIGURE 501. P/N BSB-201 IS AN UNTAPERED, 0.063 THICK, AXLE SHIM SIMILAR TO CESSNA P/N 2641009.

△5. MAY REPLACE BOLTS WITH AN5-41A BOLTS IF EXTRA LENGTH IS NEEDED. IF LONGER BOLTS ARE USED, REPLACE ITEM -2 WASHERS WITH NAS1149F0563P (ALT AN960-516) WASHERS IF REQUIRED TO KEEP NUT FROM BOTTOMING OUT ON BOLT THREADS.

△10. REPLACE EXISTING MS21044N5 NUTS (CESSNA P/N 094-10400) WITH NEW MS21044N5 NUTS PROVIDED IN KIT.

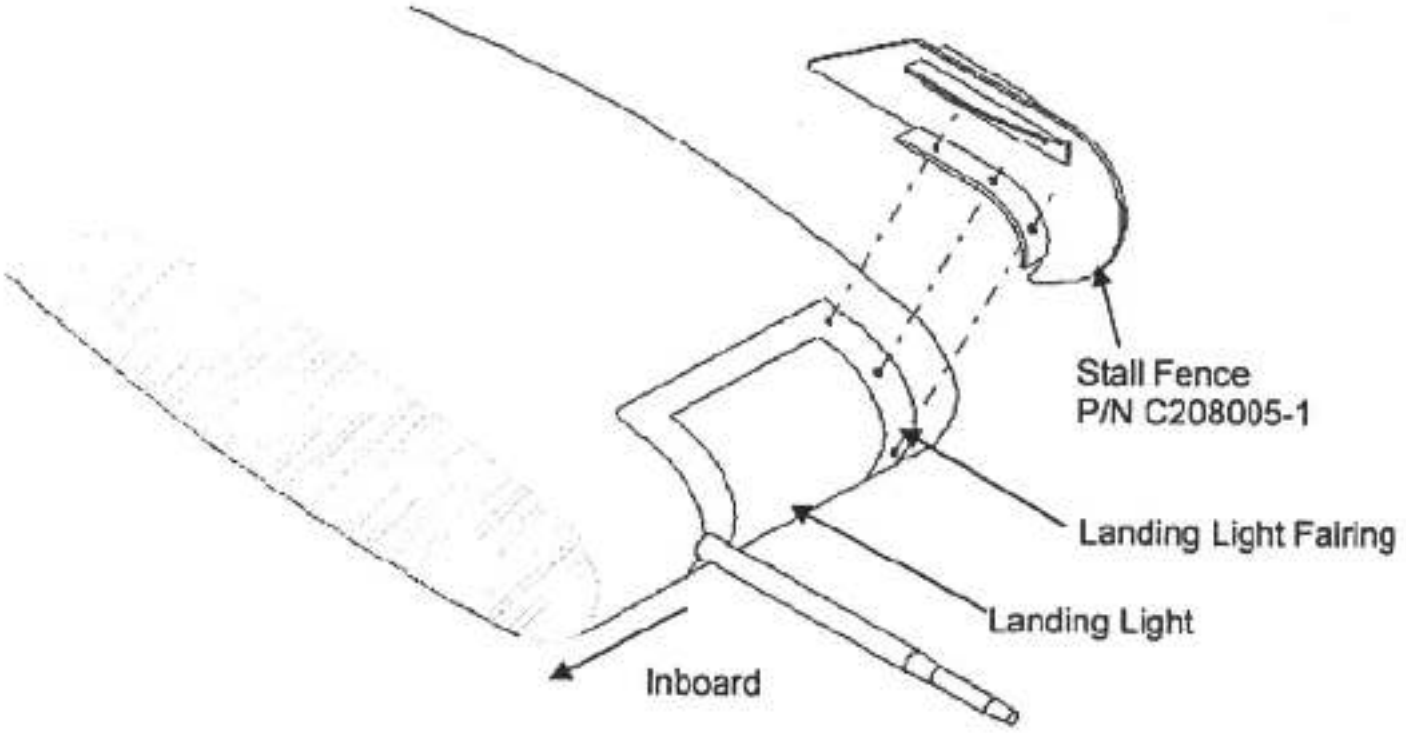
○ AERO TWIN PARTS

1	1		BSB-100A		BRAKE SPACER
2	9		NAS1149F0532P (ALT AN960-516L)	NOTE 5	WASHER
3	9		MS21044N5	NOTE 6	NUT
4	2		BSB-201 (NOT SHOWN)		AXLE SHIM

◇ EXISTING ITEMS

1	1	40-179		040-1790	WHEEL ASSEMBLY
2	9	164-22201			DISC
3	9	103-22300	(AN5-40A) NOTE 5	103-22300	BOLT
4	1	162-11800		162-11800	WHEEL HALF ASS'Y OUTER
5	1	161-12800		161-12800	WHEEL HALF ASS'Y INNER
ITEM	QTY	CLEVELAND P/N	OTHER P/N	CESSNA P/N	DESCRIPTION

ALL DIMENSION IN INCHES	PT. SMART CAKRAWALA AVIATION		DATE **18 Dec 2022**	DWN BY:	**TS**	APPVD BY:	**TM**
				DATE :	18.12.22	DATE :	18.12.22
	This drawing reference from DWG No BSB-100-I AERO TWIN, INC.	TITLE **BRAKE DISK SPACER INSTALLATION**					
		SCALE **N.T.S**	DWG. NO. **SCATS-1976-03**			REV **0**	SHEET **2 of 2**



ALL DIMENSION IN INCHES	PT. SMART CAKRAWALA AVIATION		DATE **18 Dec 2022**	DWN BY:	**TS**	APPVD BY:	**TM**
				DATE :	18.12.22	DATE :	18.12.22
	This drawing reference from Doc. AA1976	TITLE **LEFT WING STALL FENCE INSTALLATION**					
		SCALE **N.T.S**	DWG. NO. **SCATS-1976-01**			REV **0**	SHEET **1 of 1**

DO NOT JACK
OR TOW THIS
AIRCRAFT AT
GROSS WEIGHTS
ABOVE 8785
POUNDS

P/N C208002-2

ALL DIMENSION IN INCHES	PT. SMART CAKRAWALA AVIATION		DATE **18 Dec 2022**	DWN BY:	**TS**	APPVD BY:	**TM**
				DATE :	18.12.22	DATE :	18.12.22
	This drawing reference from Doc. AA1976	TITLE **TOWING AND JACKING LIMITATION PLACARD**					
		SCALE **N.T.S**	DWG. NO. **SCATS-1976-04**			REV **0**	SHEET **1 of 1**

P/N C208016-1

MAX WT. MANEUVER SPEED 143 KIAS
SEE POH FOR THE WEIGHTS

ALL DIMENSION IN INCHES	PT. SMART CAKRAWALA AVIATION		DATE **18 Dec 2022**	DWN BY:	**TS**	APPVD BY:	**TM**
				DATE :	18.12.22	DATE :	18.12.22
	This drawing reference from Doc. AA1976	TITLE **OVERLAY FOR SPEED LIMITATION PLACARD**					
		SCALE **N.T.S**	DWG. NO. **SCATS-1976-05**			REV **0**	SHEET **1 of 1**

ENGINEERING INSTRUCTION

017/TEK-TS/XII/2022

INSTALLATION & MAINTENANCE OF AIRCRAFT PAYLOAD EXTENDER SYSTEM FOR THE CESSNA CARAVAN 208B AEROACOUSTIC AIRCRAFT SYSTEMS, INC.

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	**Technical Manager**	**Chief Inspector**
Signature:	Signature:	Signature:
Name: Dwi Mahanani	Name: Istiono	Name: Yanuar A. Fatah
Date: 18 Dec 2022	Date: 18 Dec 2022	Date: 18 Dec 2022

- **INSTALLATION COMPONENTS**

PT. Smart Cakrawala Aviation – Technical Support already carried out the Task Card of installation instruction ref to The AeroAcoustics Aircraft Systems, Inc. (AASI) Doc. AA1976, Rev M, October 21st, 2019, Section 2.

SMART AVIATION
ENGINEERING INSTRUCTION

Aircraft Reg.:	Make/Model:	No. EI:	Rev. No.:
PK-SNN & PK-SNT (C208B-5706 & C208B-5707)	**Cessna 208/208B Grand Caravan**	**017/TEK-TS/XII/2022**	**Original**

Total Flight Hours:	Total Flight Cycle:	Date Issued : **18 Dec 2022**

Task Description :

TO PERFORM INSTALLATION AIRCRAFT PAYLOAD EXTENDER STOL SYSTEM (STC SA01805SE)

Technical Data Reference :

- **INSTALLATION AND MAINTENANCE MANUAL FOR AEROACOUSTICS AIRCRAFT SYSTEMS, INC. AIRCRAFT PAYLOAD EXTENDER STOL SYSTEM FOR THE CESSNA CARAVAN 208B DOCUMENT AA1976, Rev. M, October 21st, 2019**

Effectivity :

CESSNA 208/208B GRAND CARAVAN

SMART AVIATION
ENGINEERING INSTRUCTION

1. Description.

To Perform Installation Aircraft Payload Extender System for the Cessna Caravan 208B with take-off weight is 9062 lb and the maximum landing weight is 9000 lb. When operating your Caravan at increased operating weights.
The APE STOL System provides a new take off flap setting (Flaps 30) and a new reduced landing approach speed to allows you to operate your Caravan into and out of shorter fields at increased take-off and landing weights.

2. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNN&PK-SNT	208B-5076&208B-5707

DISTRIBUTION :

TECHNICAL MANAGER	[√]	MATERIAL SUPPORT	[√]
SAFETY & QUALITY MANAGER	[√]	TECHNICAL SUPPORT	[√]
CHIEF INSPECTOR	[√]	FILE	[√]

SMART AVIATION
ENGINEERING INSTRUCTION

3. Compliance.

Installation and maintenance APE Kits System on Cessna 208B PK-SNN MSN 208B-5706 & PK-SNT MSN 208B-5707 compliance to CASR part 23 Amdt. 2 dated 12 September 2014 (Ref. to 017/TEK-TS/XII/2022)

4. Man- Hours.

8.0 man-hour to do the inspection.

5. Material.

Correctly install the system and operate your modified Caravan the following system components:

P/N	QTY	KEY WORD
C208016-1	1	Airspeed Limitation Overlay Placard
C208002-2	1	Warning Maximum Tow Limit Placard
C208005-1	1	Stall Fences L/H
C208005-2	1	Stall Fences R/H
C208023-1	2	Main Landing Gear Axles
C208036-1	2	Flap,Trailing Edge Treatments Kit
BS8-100	2	Brake Disk Spacer Kit
MS21250	18	APE Strong Bolt
CR3213-4-2	12	Fastener Rivet

6. Tools Required.

In addition, the following materials are required for the APE STOL System:

- 10' or Greater Ladder
- Drill
- #18. #21, #30 and #40 Drill Bits
- Phillips Head Screwdriver
- Wheel Jacks
- Torque Wrench
- #40 Clecos
- Cherry Max Rivet Puller
- Drill Stop

7. Publications Affected.

None.

SMART AVIATION
ENGINEERING INSTRUCTION

8. Accomplishment Instructions.

Description	Eng.	RII	Remarks
A. Placards for Towing and Jacking Limitations			
1. Three (3) English language placards are included in the kit and are applied according to the effectivity in the following table. Apply the first placard in the vicinity of the nose jacking point (located at Station 100) on the left side of the nose wheel strut fairing. Apply the remaining two placards on both the left and right side of the nose wheel strut fairing near the nose wheel strut and just above the existing placard marked "WARNING MAXIMUM TOW LIMIT". P/N: C208002-2			
B. Placard Overlay for Airspeed Limitation			
2. An English language placard overlay is included in the kit and is applied according to the effectivity in the following table. Apply placard overlay to the existing airspeed limitation placard, which is near the airspeed indicator, over the original value for Va. Note: Trim overlay to fit. P/N: C208016-1			
C. Stall Fences Two Stall Fences are included in the kit: P/N C208005-1 for the left wing and P/N C208005-2 for the right wing. Start with the left wing and place the step ladder at the landing light near mid span on the wing. As shown in the drawing below, orient the Stall Fence at the outboard side of the landing light so that the attachment flange fits snugly to the wing leading edge contour. The outboard edge of the Stall Fence is aligned with the landing light fairing/wing skin seam (so that the flange is centered over the existing landing light fairing screws). Note also that the attachment flange is on the inboard side of the Stall Fence. Remove the three landing light fairing screws which are covered by the Stall Fence attachment flange. Carefully drill holes through the Stall Fence attachment flange to match the location of the holes on the landing light fairing in the following sequence (Ref. Appendix 2):			
3. Match drill the middle hole first by using the hole finder supplied with the kit and the #21 pilot drill bit. Remove the stall fence from the aircraft and drill out the hole with a #18 bit installed and deburr the hole. Temporarily attach the stall fence at the middle screw location (using a AN525-832R-8 screw supplied with the kit) and with the hole finder at the leading edge hole location.			

SMART AVIATION
ENGINEERING INSTRUCTION

Description	Eng.	RII	Remarks
4. Match drill the leading edge hole. Remove the stall fence and drill out and deburr the hole. As before temporarily attach the stall fence, this time with the hole finder located at the aft hole location.			
5. Match drill the aft hole taking care to drill a straight hole. A longer drill bit may be required to avoid interference with the strakelets. Remove the stall fence and drill out and deburr the final hole.			
6. Apply a generous bead of the sealant supplied with the kit on the underside of the attachment flange. Permanently attach the Stall Fence using the AN525-832R-8 screws supplied with the kit. Remove the excess sealant per the instructions provided with the sealant.			
7. Repeat the process for the R/H wing installation.			
D. Main Landing Gear Axle Installation			
8. Remove the current main landing gear axle, Cessna P/N 2641011-1, -3, -4 or -5, per Cessna Maintenance Manual Chapter 32-10-00, Item 8A			
9. Install main landing gear axle, AASI P/N C208023-1, per Cessna Maintenance Manual Chapter 32-10-00, Item 8B			
E. Main Landing Gear Tires Installation If 29 x 11.0-10 10 ply* tires are installed on the main landing gear of your Caravan or Appendix 1 of AFMS-C208-43 or AFMS-C208-76 is incorporated, skip this step and go to step 2 of this sub-section. If Appendix 3 of AFMS-C208-43 or AFMS-C208-76 is incorporated, go to Section 2 of AA19768. If 29 x 1 1.0-10 10 ply* tires are not installed on the main landing gear of your Caravan (read all steps below before installing):			
10. Remove the current tires per Cessna Maintenance Manual Chapter 32-40, Item 6A.			
11. Disassemble the main wheel, tire and tube as described in the Cessna Maintenance Manual Chapter 32-40, Item 7A.			
12. Install 29 x 11.0-10 10 ply tires and tubes (if tire requires tube).			

SMART AVIATION
ENGINEERING INSTRUCTION

Description	Eng.	RII	Remarks
13. Install Brake Disk Spacer Kit, No. BS8-100 per instructions provided with kit.			
14. Install APE Strong MS21250 Bolts per instructions provided with kit.			
15. Reassemble the main wheel, tire and tube as described in the Cessna Maintenance Manual Chapter 32-40, Item 7B			
16. Inflate the main landing gear tire			
NOTE: If Brake Disc spacer kit No BS8-100 or later version and MS21250 wheel bolts are installed, inflate the MLG tire per section 3.2. Otherwise, install Brake Disc spacer kit and/or MS21250 Bolts per instructions provided with kit.			
17. Install the main wheels and tires as described in the Cessna Maintenance Manual Chapter 32-40, Item 6B.			
F. Main Wing Flap Trailing Edge Treatment Two main wing flap trailing edge treatments are included in the kit: P/N C208036-1. Start with the left wing and place the step ladder at the flap trailing edge and at the inboard edge of the Cessna Gurney flap piece, P/N 2625000-31, on the wing. As shown in the drawing below, orient the flap trailing edge treatments with the leading-edge notch pointing toward the leading edge of the flap and the treatment aligned with the trailing edge of the wing flap. The leading-edge notch of the flap trailing edge treatment should be cantered around the flap rivets at wing station 155.90. Carefully install the flap trailing treatment at the locations already predrilled location in the flap trailing edge treatment (Ref. Appendix 3):			
18. Pilot drill one of the middle holes first with a #40 pitot drill bit.			
19. Using a #40 Cleco, tack the flap trailing edge treatment in place.			
20. Pilot drill the remaining holes, installing a #40 Cleco as each hole is drilled.			
21. Once all six holes have been pilot drilled, enlarge each hole with #30 Drill bit			

SMART AVIATION
ENGINEERING INSTRUCTION

22. After all the holes have been enlarged, remove the flap trailing edge treatment from the aircraft and deburr the holes.			
23. Apply a generous bead of the sealant supplied with the kit on the underside of the attachment flange. Permanently attach the flap trailing edge treatment using the CR3213-4-2 blind fastener rivets supplied with the kit. Remove the excess sealant per the instructions provided with the sealant.			
24. Repeat the process for the right-wing installation.			

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

RETURN TO SERVICE

I hereby certify that the aircraft has been modified in accordance with the Doc. No. AA1976 incorporating STC SA01805SE with applicable Approved Data and met the requirements as set forth with the Indonesia Civil Aviation Safety Regulation and it is approved for return to service.

Name : Dodit Supriyanto

Signature :

Stamp :

Place/Date : Nbx 20 Dec 2022.

- END -

UN-SCHEDULED MAINTENANCE

017/TEK-TS/XII/2022

INSTALLATION & MAINTENANCE OF AIRCRAFT PAYLOAD EXTENDER SYSTEM FOR THE CESSNA CARAVAN 208B AEROACOUSTIC AIRCRAFT SYSTEMS, INC.

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	**Technical Manager**	**Chief Inspector**
Signature:	Signature:	Signature:
Name: Dwi Mahanani	Name: Istiono	Name: Yanuar A. Fatah
Date: 218 Dec 2022	Date: 18 Dec 2022	Date: 18 Dec 2022

- **UN-SCHEDULED INSPECTION**

PT. Smart Cakrawala Aviation – Technical Support already carried out the Un-Scheduled Inspection Checks ref to Installation and Maintenance Manual AASI Ref. to Doc., Rev M, October 21st, 2019, Section 3.0.

A. During operation, the airplane may be subjected to:
(1) Towing or Jacking at higher than the maximum Jacking and Towing limit.
(2) Overspeed.

B. When any of these conditions are reported by the flight crew, a visual inspection of the airframe and specific inspections of components and areas involved must be accomplished.
C. The inspections are performed to determine and evaluate the extent of damage In.
D. local areas of visible damage, and to the structure and components adjacent to the area of damage.

SMART AVIATION
ENGINEERING INSTRUCTION

	No.:**017/TEK-TS/XII/2022** Rev.: Original
	Date Issued : **18 Dec 2022**
Title : **UN-SCHEDULED INSTRUCTION OF AIRCRAFT PAYLOAD EXTENDER STOL SYSTEM (STC SA01805SE)**	Reference : - **INSTALLATION AND MAINTENANCE MANUAL FOR AEROACOUSTICS AIRCRAFT SYSTEMS, INC. AIRCRAFT PAYLOAD EXTENDER STOL SYSTEM FOR THE CESSNA CARAVAN 208B DOCUMENT AA1976, Rev. M, October 21st, 2019**
Effectivity : **CESSNA 208/208B**	

SMART AVIATION
ENGINEERING INSTRUCTION

1. Description.

This The inspections are performed to determine and evaluate the extent of damage In local areas of visible damage, and to the structure and components adjacent to the area of damage

2. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNN&PK-SNT	208B5706&208B5707

3. Un-Scheduled Inspection Instruction

Description	Engineer	Remarks
TOWING OR JACKING AT WEIGHTS IN EXCESS OF THE MAXIMUM JACKING AND TOWING LIMIT		
1. LANDING GEAR		
a. Main gear and fairings - Inspect for loose or failed fasteners, buckling, security, cracks, and evidence of structural damage.		
b. b. Nose gear and fairing - Inspect for loose or failed fasteners, cracks, steering cables tension, security, buckling, and evidence of structural damage.		
2. WINGS		
c. Wing to fuselage attach fittings and attaching structure - Inspect for security, Loose or failed fasteners, and evidence of structural failure.		

MAINTENANCE RELEASE

I hereby certify that the aircraft has been maintenance in accordance with the Doc. No. AA1976 incorporating STC SA01805SE with applicable Approved Data and is determined to be in an airworthy condition.

NAME : Dodit Supriyanto

SIGNATURE :

STAMP :

PLACE / DATE : NBX 20 Dec 2022

SMART AVIATION
ENGINEERING INSTRUCTION

Description	Engineer	Remarks
OVERSPEED		
1. FUSELAGE		
a. Windshield and Windows - Inspect for buckling, dents, loose or failed fasteners, and any evidence of structural damage.		
b. All hinged doors - Inspect hinges, hinge attach points, latches and attachments, and skins for deformation and evidence of structural damage.		
2. COWLING		
c. Skins - Inspect for buckling, cracks, loose or failed fasteners, and indications of structural damage.		
3. STABILIZERS		
d. Stabilizers - Inspect skins, hinges and attachments, movable surfaces, mass balance weights, and attaching structure for cracks, dents, buckling, loose or failed fasteners, and evidence of structural damage.		
4. WINGS		
e. Flaps - Inspect for skin buckling, cracks, loose or failed fasteners, attachments and structure for damage		
f. Fillets and fairings - Inspect for buckling, dents, cracks, and loose or failed fasteners.		

MAINTENANCE RELEASE

I hereby certify that the aircraft has been maintenance in accordance with the Doc. No. AA1976 incorporating STC SA01805SE with applicable Approved Data and is determined to be in an airworthy condition.

NAME : Dodik Supriyanto

SIGNATURE :

STAMP :

PLACE / DATE : NBX 20 Dec. 2022.

INSTRUCTION FOR CONTINUED AIRWORTHINESS (ICA)

017/TEK-TS/XII/2022

INSTALLATION & MAINTENANCE OF AIRCRAFT PAYLOAD EXTENDER SYSTEM FOR THE CESSNA CARAVAN 208B AEROACOUSTIC AIRCRAFT SYSTEMS, INC.

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	**Technical Manager**	**Chief Inspector**
Signature: 	Signature: 	Signature: 
Name: Dwi Mahanani	Name: Istiono	Name: Yanuar A. Fatah
Date: 18 Dec 2022	Date: 18 Dec 2022	Date: 18 Dec 2022

PT. SMART CAKRAWALA AVIATION

Technical Department

TEST FLIGHT REPORT

STATION NBK DATE 21/12/22 A/C TYPE C 208 B EX A/C REG. PK-SNP.

CAPTAIN ALAN SATRIA PURNAMA. FIRST OFFICER

SECOND OFFICER ______ OBSERVERS ______

FLIGHT REQUESTED BY ______

FLIGHT APPROVED BY ______

REASON FOR FLIGHT All Generally was Good. Check for AP Servo kit Installations.

SPECIAL INSTRUCTIONS FOR TEST FLIGHT CREW ______

FLIGHT TEST CREW FINDINGS OR COMMENTS ______

BALLAST REMOVED (IF ANY) ______

FINAL SUPERVISOR ______

CAPTAIN ALAN SATRIA PURNAMA.

DATE 21/12/22 TIME 35 min.

CPL. 8358/FW/[illegible]/2022

NOTE :

1. **Send this form after completion of flight test to Chief Inspector.**
2. **Flight test form may be used format in Aircraft Maintenance Program or manufacturer manual.**

Appendix B - Form: **SCA/MTC/027**

Reg. Mark	: PK - SNT	Date	:
MSN	: C208B-5707	Station	:
TSN / CSN	:	WO No.	: WO/001-SNT/XII/2022

NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
01	ALL	Level the aircraft. Refer to AMM 8-20-00.		
02	ALL	Perform aircraft weighing. Follow procedures refer to Pilot Operating Handbook Section 6.		
03	ALL	Record the weighing result and calculate C.G using form SCA/MTC/025.		
*** End of Appendix B01 Items ***				

PERSONNEL PRTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER

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 : _____ Stamp : _____

Signature : _____ Place/Date : _____

AIRCRAFT WEIGHT AND C.G DETERMINATION

REPORT NO :
DATE :

AIRCRAFT REGISTRATION	:	PK-SNT
AIRCRAFT TYPE	:	Cessna 208B Grand Caravan
AIRCRAFT SERIAL NUMBER	:	C208B-5707
PROPERTY OF	:	
PLACE OF WEIGHING	:	
REASON OF WEIGHING	:	
PERFORMED BY	:	
CONFIGURATION	:	

SIGNED: DATE:

CHECKED BY :

SIGNED: DATE:

RESULTS

EMPTY WEIGHT	:	
EMPTY C.G FROM DATTUM LINE	:	
INDEX MAC %	:	
VALID UNTIL	:	

WEIGHING EQUIPMENT

PART NUMBER	:	
SERIAL NUMBER	:	
VALIDATION	:	

APPROVED BY:

CHIEF INSPECTOR

Appendix B03 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - WO/FML No. :

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 ☐ 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 (°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

smartaviation

Additional Work Sheet
APE STOLL INSTL.

Aircraft Registration: PK-SNT

WO# Nr: WO/001-SNT/XII/2022

Parts Used Sheet 1

Special Tool Used

No.	Description	Due Date	Engineer

Additional Work Sheet
APE STOLL INSTL.

Aircraft Registration: **PK-SNT**

WO# Nr: **WO/001-SNT/XII/2022**

Parts Used Sheet 2

Part Used

Date	Part Nr.	Serial Nr.	Description	Quantity	Engineer