

# AIRPLANE RECORDS AND MAINTENANCE EXCERPTS

## SUPPLEMENTAL TYPE CERTIFICATES

SA01805SE: Aero Acoustics Aircraft Payload Extender STOL System  
SA3649NM: Rudder Gust Lock  
SA02080SK-D: Exhaust Deflector  
SA09850AC: 4-bladed McCauley Propeller (incorporated during production)  
SA4651NM: Main Gear Gravel Deflector Kit  
SA02271AK-D: Nose Gear Gravel Deflector Kit (removed)  
SA01476WI: Aft Toilet Cabin and Privacy Curtain

FUEL NOZZLES REPLACED 9/20/22

Lake and Pen Air Non-Routine Form		Log Page: 5101	Page: 1
Aircraft: N2069B	AFTT: 798.8	Landings: 972	Cycles: 967
Date: 9/20/22			
Number: 9	Discrepancy: Engine Fuel Nozzles Due		
Entered by: [Redacted]	Per P+W MM 73-10-04		
Corrective Action:	Removed & Replaced Engine Fuel Nozzles w/ a Insp. & tested set of nozzles F.A.W. P+W - no. salt manual. Leak checks good.		

INSTALLATION OF PAYLOAD EXTENDER STC AND REMOVAL OF GRAVEL DEFLECTION STC 11/14/22

Registration #: ~~N2069B~~ N2069B  
✱

Total A/C Time: 921.5  
Hour Meter: 921.5

Total A/C Cycles: 1,101

Manufacturer: Cessna  
Part/Model number: 208B  
Work Order No: 4706

Date: 11-14-22

A/C Serial Number: ~~20880799~~  
208B5657

**Squawk**

- 2.1 Installed Aircraft payload extender in accordance with STC SA01805SE and Installation document AA1976 Rev M. "This aircraft is being maintained in accordance with the manufacturers recommended maintenance schedule, ref 91.409(e)(f) (3)".  
"Experimental instrumentation data recording system has been installed in accordance with Quicksilver Aerospace LLC document no. QSA-22021"

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the Ace Aviation, Inc. under Work Order Number 4706.

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**Squawk**

- 4.1 Removed Nose Tire Scraper/Gravel deflector p/n: ATI-208TS in accordance with STC SA2335NM and drawing ATI-208TS Rev. The weight removed is negligible  
Removed Nose Gear Gravel deflector p/n: NGD8-100 in accordance with STC SA2271AK and Manual NGD8-IM Rev D. The weight removed is 9.0 Lbs at station 61.8  
Removed Main Gear Gravel deflector p/n: GD8-100 in accordance with STC SA4651NM and Manual GD8-IM Rev E. The weight removed is 13.0 Lbs at station 237.5.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the Ace Aviation, Inc. under Work Order Number 4706.

N2069B, Cessna 208B, SN208B5657  
TTSN: 921.5

I find that this aircraft meets the requirements for the requested certificate, and have issued a Special Airworthiness Certificate (Experimental Research and Development) dated 14 NOV 2022. The expiration date is 31 MAR 2023. This inspection does not change the times of the next regularly scheduled inspection.

United States			
<b>Work Order:</b> R-8829	<b>Title:</b> APE III PAYLOAD EXTENDER INSTALL		
<b>Registration #:</b> N2069B	<b>Department:</b> Repair		
<b>Item:</b> 1	<b>Caravan- APE III STC INSTALL</b>	<b>Model #:</b> 208B	<b>Serial #:</b> 208B5657
<b>Resolution:</b> INSTALLED AEROACOUSTICS AIRCRAFT SYSTEMS, INC STC SA01213SE AIRCRAFT PAYLOAD EXTENDER III SYSTEM IAW THE INSTALLATION AND MAINTENANCE MANUAL DOCUMENT AA1636 (REV D). INSERTED POH/AFM SUPPLEMENT AFMS-C208-75 INTO THE PILOT'S OPERATING HANDBOOK. UPDATED AIRCRAFT WEIGHT AND BALANCE AND EQUIPMENT LIST MAINTENANCE, INSPECTION, AND AIRWORTHINESS LIMITATION INSTRUCTIONS FOR THIS ALTERATION ARE CONTAINED IN SECTION3 OF THE AEROACOUSTICS AIRCRAFT SYSTEMS, INC 'INSTALLATION AND MAINTENANCE MANUAL' DOCUMENT AA1636 (REV D) OR LATER REVISION MODIFICATION INCLUDED THE AEROACOUSTICS AIRCRAFT SYSTEMS APE STRONG MS21250 BOLTS INSTALLED PER AND SHALL BE MAINTAINED IAW DOCUMENT AA257 (REV C) OR LATER REVISION.			

Completed: 11/01/2022 By: [REDACTED]  
 Squawk: 8 Discrepancy: VERIFY FLIGHT CONTROL TRAVELS ARE WITHIN LIMITS.  
 Resolution: VERIFIED AILERONS AND TRIM SYSTEM, RUDDER, ELEVATOR AND TRIM SYSTEM AND  
 FLAP TRAVELS ARE WITHIN LIMITS ADJUSTED AILERON STOP BOLTSIAW MODEL  
 208 SERIES MAINTENANCE MANUAL (REV 37)  
 27-10-00, 27-10-02, 27-20-00, 27-30-02, 27-30-01, 27-50-01.  
 Signed Off: 10/31/2022 By: [REDACTED]  
 Inspected: 10/31/2022 By: [REDACTED]  
 Completed: 10/31/2022 By: [REDACTED]  
 Squawk: 9 Discrepancy: BRAKE DISC WORN OUT OF LIMITS  
 Resolution: REPLACED WORN BRAKE DISKS. IAW MODEL 208 SERIES MAINTENANCE MANUAL  
 (REV 37) 32-40-00.  
 Signed Off: 11/01/2022 By: [REDACTED]  
 Inspected: 11/01/2022 By: [REDACTED]  
 Completed: 11/01/2022 By: [REDACTED]  
 Squawk: 10 Discrepancy: Final Inspection - Ensure all Squawks have been satisfactorily completed. Ensure the repair was  
 performed to specification, and all sign-offs were performed to a status of 'waiting for billing.'



**Parts:**

<u>Ref. No.</u>	<u>Part number</u>	<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>Lot Number</u>
1.5 #1	1123	Ape 3 Kit Payload extender	1.00	KIT	LT22-01557
1.5 #2	076-446-1	TIRE	2.00	EA	LT22-01555
1.5 #3	GL-29150B	Desser 29/1100-10 Aero Classic Butyl Long Stem Tube, TR-150	2.00	EA	LT22-01556
1.5 #5	NAS6609-40	BOLT	2.00	EA	LT22-00811
1.5 #5	NAS6609-40	BOLT	2.00	EA	LT22-01659
1.5 #6	MS21044N9	NUT	4.00	EA	LT21-01526
1.5 #7	MS24665-362	COTTER PIN	2.00	EA	LT15-00773
1.5 #8	NAS1149F0932P	WASHER	3.00	EA	LT15-01205
1.5 #9	MS24665-362	COTTER PIN	2.00	EA	LT15-00773
1.5 #10	S3413-120	Stud	1.00	EA	LT20-01575
1.5.4 #1	MS21044N9	NUT	4.00	EA	LT21-01526
1.5.4 #3	NAS1309-60	BOLT	4.00	EA	LT22-01732

**Discrepancy:** 1.8

**Resolution:**

VERIFY FLIGHT CONTROL TRAVELS ARE WITHIN LIMITS.  
 VERIFIED AILERONS AND TRIM SYSTEM, RUDDER, ELEVATOR AND TRIM SYSTEM AND FLAP TRAVELS  
 ARE WITHIN LIMITS ADJUSTED AILERON STOP BOLTS IAW MODEL 208 SERIES MAINTENANCE  
 MANUAL (REV 37)  
 27-10-00, 27-10-02, 27-20-00, , 27-30-02, 27-30-01, 27-50-01.

Aurora, Oregon 97002  
United States

Parts:			Quantity	UOM	Lot Number
Ref. No.	Part number	Description			
1.8 #1	MS24694S4	SCREW	12.00	EA	LT20-02372
1.8 #2	MS24694C49	SCREW	1.00	EA	LT15-00907
1.8.1 #1	MS21256-1	CLIP TURNBUCKLE	4.00	EA	LT22-00310
1.8.2 #1	MS24665-136	COTTER PIN	2.00	EA	LT20-02150

Discrepancy: 1.9 BRAKE DISC WORN OUT OF LIMITS  
Resolution: REPLACED WORN BRAKE DISKS. IAW MODEL 208 SERIES MAINTENANCE MANUAL (REV 37) 32-40-00.

Parts:			Quantity	UOM	Lot Number
Ref. No.	Part number	Description			
1.9 #1	LOCTITE 242	LOCTITE BLUE	1.00	ML	LT22-00239
1.9 #2	164-22201	DISC BRAKE WHEEL	2.00	EA	LT22-01712

N2069B

01/NOV/2022

Nationality and Registration Mark

Date

AFTT: 920.4 hrs. Total Landings: 1,106

Refer to Metal Innovations, Inc Work Order R-8829 for further details of this alteration.

Installed Aeroacoustics Aircraft Systems, Inc STC SA01213SE Aircraft Payload Extender III System IAW the Installation and Maintenance Manual Document AA1636 (Rev I) which includes:

- 1- LH and RH wing Stall Fences LH PN: C208005-1 and RH PN: C208005-2 at the outboard side of the landing light
- 2- 2 ea. new 'zero time' main landing gear axles AASI PN: C208023-1
- 3- 2 ea. 29 x 11.0-10 10 ply tires with tubes on the main landing gear to include the Brake Disk Spacer kit # BS8-100 per Aero Twin STC per STC SA02126AK-D drawing BS8-100-I (Rev C) and APE Strong PMA wheel MS21250 bolts.
- 4- 3 ea. placards for Towing and Jacking Limitations PN: C208002-2 "DO NOT JACK OR TOW THIS AIRCRAFT AT GROSS WEIGHTS ABOVE 8785 LB" at the nose jacking point (located at Sta 100) on the left side of the nose wheel strut fairing and the other 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"
- 5- Placard Overlay for Airspeed Limitation PN: C208016-1 "MAX WT. MANEUVER SPEED 143 KIAS SEE POH FOR OTHER WEIGHTS" near the airspeed indicator.