

Date: 06/24/2024 Make/Model: American Champion 8KCAB Tail #: N8505 Serial #: 6973  
 Airframe Hours: 1803.2 hrs. tach. (TTAF) / 456.7 hrs. hobbs. / 365.5 hrs. Engine SMOH. / 163.8 hrs. Propeller SMOH.  
 Misc:  
 Engine: Lycoming IO-320-E1A Serial #: L-4946-55A Hours: 365.5  
 Propeller: Hartzell HC-C2Y Series Serial #: DW165 Hours: 163.8

American Champion 8KCAB

AD# Eff Date Category	Subject	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
72-18-03 09/01/72 Airframe	Rudder & Elevator Cables	06/24/24 @ 1803.2 hrs. TT.	C/W by inspection of rudder and elevator cables in battery area.	Yes*	1852.2 hrs. TT.	Robert Gianoli 3796539
72-20-06 10/05/72 Airframe	Aerobatic Flight Placard		N/A by aircraft serial number.	Yes*		Robert Gianoli 3796539
74-23-04 03/06/75 Airframe	Rib Flanges	01/10/2000 @ 1295.0 hrs. TT.	C/W by inspection of ribs and spars.			Robert Gianoli 3796539
75-17-16 08/12/75 Airframe	Carburetor Alternate Air Valves		N/A, Carburetor not installed.	Yes		Robert Gianoli 3796539
76-22-01 11/02/76 Airframe	Seat Frame Side Tubes		N/A by aircraft serial number.			Robert Gianoli 3796539
79-22-01 10/29/79 Airframe	Exhaust System		N/A by aircraft serial number.			Robert Gianoli 3796539
80-21-06 10/16/80 Airframe	Muffler Core and Body		N/A by aircraft serial number.	Yes		Robert Gianoli 3796539
81-16-04 07/28/81 Airframe	Competition Harness	Unknown	C/W by posting of required insert as needed.		N/A	Robert Gianoli 3796539
89-18-06 09/21/89 Airframe	Seat Back Crack Inspection	Unknown	C/W by installation of newer style seat.	Yes		Robert Gianoli 3796539
90-15-15 R1 05/15/91 Airframe	Front Spar Strut Fittings	04/21/22	C/W prior to Importation to U.S. conformity inspection.	Yes*		Robert Gianoli 3796539
96-18-02 09/20/96 Airframe	Metal Spar Wings	Unknown	C/W by inspection. permanent inspection panels have been installed.	Yes		Robert Gianoli 3796539
00-25-02 R1 07/13/01 Airframe	Wood Wing Spar Damage Inspection	06/24/24 @ 1803.2 hrs. TT.	C/W by inspection of spar forward and aft. No defects noted.	Yes	1903.2 hrs.	Robert Gianoli 3796539
05-24-10 01/17/06 Airframe	Incorrectly Swaged Cable Sleeve	04/21/22	C/W prior to Import conformity inspection by swage measurement.			Robert Gianoli 3796539
09-22-02 12/03/09 Airframe	Rear Seat Frame Replacement	06/24/24 @ 1803.2 hrs. TT.	C/W by inspection, aft seat hinge point is undamaged.	Yes*	1903.2 hrs.	Robert Gianoli 3796539

18-14-06 08/17/18 Airframe	Aileron Hinge Reinforcement	06/24/24 @ 1803.2 hrs. TT.	C/W by inspection. No defects found.	Yes*	1903.2 hrs. TT.	Robert Gianoli 3796539
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**Engine: Lycoming IO-320-E1A**

AD# Eff Date Category	Subject	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
66-20-04 08/27/66 Engine	Oil Filter Adapter Gasket		N/A by date of most recent engine overhaul.			Robert Gianoli 3796539
67-22-06 08/09/67 Engine	Bendix RS: Delrin Stemmed Fuel Diaphragm	03/17/2014 @ 0.0 hrs. SMOH.	C/W if needed at most recent engine overhaul.		N/A	Robert Gianoli 3796539
73-23-01 01/13/77 Engine	Piston Pin Cracks From Grinding		N/A by engine serial number.			Robert Gianoli 3796539
75-08-09 08/18/77 Engine	Oil Pump Drive Shaft and Impeller		N/A by date of most recent engine overhaul.			Robert Gianoli 3796539
75-09-15 04/30/75 Engine	Bendix Fuel Injector Flow Divider Cover Gasket	03/17/2014 @ 0.0 hrs. SMOH.	C/W if needed at most recent engine overhaul.		N/A	Robert Gianoli 3796539
78-23-10 11/07/78 Engine	Bendix RSA Series Fuel Injector Bellows Seal	03/17/2014 @ 0.0 hrs. SMOH.	C/W if needed at most recent engine and accessory overhaul.		N/A	Robert Gianoli 3796539
79-04-05 09/26/79 Engine	Bendix RSA Series Fuel Injectors Diaphragm	03/17/2014	C/W if needed at most recent engine and accessory overhaul.		N/A	Robert Gianoli 3796539
87-10-06 R1 09/01/89 Engine	Rocker Arm Assembly		N/A by engine serial number.			Robert Gianoli 3796539
90-04-06 R1 05/28/91 Engine	Propeller Governor External Oil Line	06/24/24 @ 1803.2 hrs. TT.	C/W by inspection of governor oil line.		1903.2 hrs. TT.	Robert Gianoli 3796539
92-12-05 07/10/92 Engine	Piston Pin Failure		N/A by engine model.			Robert Gianoli 3796539
93-11-11 06/21/93 Engine	Diaphragm Fuel Pumps Overhauled (by AAI) - Remove Affected Pump and Replace	06/24/24 @ 1803.2 hrs. TT.	N/A, Installed a new fuel pump during this inspection.		N/A	Robert Gianoli 3796539
96-09-10 07/15/96 Engine	Oil Pump Impeller Failure	03/17/14 @ 0.0 hrs. SMOH	C/W if needed during most recent engine overhaul.		N/A	Robert Gianoli 3796539
96-23-03 12/17/96 Engine	High Pressure Fuel Pumps		N/A by manufacturing date code of fuel pump.			Robert Gianoli 3796539
97-15-11 08/12/97 Engine	Piston Pin Failure		N/A by engine serial number and overhaul date.			Robert Gianoli 3796539
98-02-08 03/30/98 Engine	Crankshaft Corrosion Pits		N/A, Constant speed prop installed.	Yes		Robert Gianoli 3796539
98-17-11 10/19/98 Engine	Crankshafts Installed by Nelson Balancing Service		N/A, No record of service by specified shop.			Robert Gianoli 3796539

03-14-03 08/14/03 Engine	Rotary Fuel Pump Leaks		N/A, Spec ified fuel pump is not installed.	Yes*		Robert Gianoli 3796539
04-10-14 06/25/04 Engine	Crankshaft Gear Retaining Bolt		N/A, No record of prop strike or sudden stoppage since most recent engine overhaul.	Yes		Robert Gianoli 3796539
06-12-07 07/11/06 Engine	ECi Cylinder Assemblies		N/A, ECi cylinders are not installed.			Robert Gianoli 3796539
07-04-19 R1 05/07/07 Engine	Superior Air Parts Cylinder Assemblies		N/A, SAP cylinders are not installed.			Robert Gianoli 3796539
09-02-03 02/09/09 Engine	RSA-5 or RSA-10 Series - Fuel Injection Servo Plug Gasket	03/17/ 2014 @ 0.0 hrs. SMOH.	C/W if needed at most recent engine and accessory overhaul.	Yes*	N/A	Robert Gianoli 3796539
09-26-12 02/04/10 Engine	ECi Cracked Cylinder Assemblies		N/A, ECi cylinders are not installed.	Yes		Robert Gianoli 3796539
12-03-06 02/24/12 Engine	AVStar Fuel Servo Diaphragm		N/A, AVStar servo is not installed.			Robert Gianoli 3796539
15-19-07 11/03/15 Engine	Fuel Injector Fuel Lines and Clamps	06/24/24 @ 1803.2 hrs. TT.	C/W by inspection of fuel injector lines and clamps.	Yes	1903.2 hrs. TT.	Robert Gianoli 3796539
17-16-11 08/15/17 Engine	Connecting Rod Failure		N/A by date of most recent engine overhaul.			Robert Gianoli 3796539

**Propeller: Hartzell HC-C2Y Series**

AD# Eff Date Category	Subject	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
64-20-01 08/28/64 Propeller	Pitch Change Blocks		N/A by date of most recent overhaul.	Yes*		Robert Gianoli 3796539
01-07-03 06/04/01 Propeller	BASCO Serviced Propellers		N/A, No record of service by specified shop.			Robert Gianoli 3796539
01-23-08 12/24/01 Propeller	Hub Fillet Radius Crack Inspection		N/A by engine application.	Yes*		Robert Gianoli 3796539
03-01-03 01/23/03 Propeller	Propeller Assembly Removal		N/A by propeller serial number.			Robert Gianoli 3796539
03-03-20 03/11/03 Propeller	Hartzell Propeller Hub and Blades		N/A by engine and aircraft application.			Robert Gianoli 3796539
03-06-02 04/29/03 Propeller	TKS Anti-Ice Boots		N/A, Anti-Ice boots are not installed.			Robert Gianoli 3796539
03-13-17 07/18/03 Propeller	T and W Serviced Propellers		N/A, No record of service by specified shop.			Robert Gianoli 3796539
05-14-11 08/17/05 Propeller	Southern California Propeller Serviced Propellers		N/A, No record of service by specified shop.			Robert Gianoli 3796539

06-24-07 01/03/07 Propeller	Oxford Aviation/CSE Aviation Serviced Propellers		N/A, No record of service by specified shop.			Robert Gianoli 3796539
07-26-09 01/30/08 Propeller	Fatigue Cracks		N/A, All blade serial numbers are above the specified serial number.			Robert Gianoli 3796539
08-13-28 07/17/08 Propeller	Hub Blade Socket Lubrication Hole Cracks		N/A by aircraft application.	Yes*		Robert Gianoli 3796539
09-22-03 11/12/09 Propeller	Propeller Hub Crack Inspection		N/A by engine application.	Yes*		Robert Gianoli 3796539



US Department of Transportation  
Federal Aviation Administration

## MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

OMB No. 2120-0020  
Exp: 04/30/2023

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

<b>1. Aircraft</b>	Nationality and Registration Mark <b>N8505</b>	Serial No. <b>69-73</b>	
	Make <b>Bellanca</b>	Model <b>8KCAB</b>	Series
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Ashish Naran</b>		Address (As shown on registration certificate) Address <b>1380 Doublegate Dr. NE</b>
			City <b>Brookhaven</b> State <b>GA</b> Zip <b>30319-4024</b> Country <b>USA</b>

**3. For FAA Use Only**

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

**6. Conformity Statement**

A. Agency's Name and Address		B. Kind of Agency	
Name <b>Robert Gianoli</b>		<input checked="" type="checkbox"/> U. S. Certificated Mechanic <input type="checkbox"/> Manufacturer	
Address <b>1980 5th St</b>		<input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> C. Certificate No.	
City <b>Atlanta</b> State <b>GA</b>		<input type="checkbox"/> Certificated Repair Station	
Zip <b>30341</b> Country <b>USA</b>		<input type="checkbox"/> Certificated Maintenance Organization <b>3796539</b>	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <b>Robert Gianoli 06/11/2024</b>
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**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  Approved  Rejected

<b>BY</b>	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. <b>3796539</b>	Signature/Date of Authorized Individual <b>Robert Gianoli 06/11/2024</b>
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**NOTICE**

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

**8. Description of Work Accomplished**

*(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

N8505

06/11/24

Nationality and Registration Mark

Date

- 1) Removed oil temperature and oil pressure gauges and associated wiring.
- 2) Installed Electronics International Inc. CGR-30P Glass Panel Engine Monitor reference the Installation Instruction Document number II02151301, Revision B, dated June 21, 2013, and under the authority of STC# SA02283SE.
- 3) Wiring for all of the data sending units was installed per the installation instructions and routed along factory wire bundles and secured.
- 4) Instrument was calibrated for the parameters of this aircraft.
- 5) Flight manual supplement was installed in the aircraft pilots operating handbook.
- 6) Affect on weight and balance is negligible.

Additional Sheets Are Attached

# Supplemental Type Certificate

*Number* SA02283SE

*This certificate, issued to*

Electronics International, Inc.  
63296 Powell Butte Highway  
Bend, OR 97701

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part \* of the \* Regulations.*

*Original Product—Type Certificate Number:*

\* See attached Federal Aviation Administration (FAA)

*Make:*

Approved Model List (AML) SA02283SE for approved

*Model:*

aircraft models and applicable airworthiness regulations

*Description of the Type Design Change:* Installation of Electronics International Inc. Glass Panel Engine Monitor (with In Flight Data) CGR-30P in accordance with the Installation Instructions, Document No. II 02151301, Revision B, dated June 21, 2013, or later FAA-approved revision. This modification must be inspected and maintained in accordance with Electronics International, Inc. Instructions for Continued Airworthiness, Document No. 06211301, Revision B, or later FAA-accepted revision.

*Limitations and Conditions:* Approval of this change in type design applies to the airplanes listed on AML SA02283SE only. This approval should not be extended to other aircraft of these models unless the installer determines that the relationship between this change and any other previously incorporated approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. Only one of the parameters displayed on the Secondary Screen may have a Caution and/or Warning operating range. A copy of this certificate, AML SA02283SE, and the FAA-approved airplane flight manual supplement as specified on AML SA02283SE, must be maintained as part of the permanent records for the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* November 24, 2009

*Date reissued:*

*Date of issuance:* July 25, 2013

*Date amended:*



*By direction of the Administrator*

  
(Signature)

FR Manager, Seattle Aircraft Certification Office  
(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*

*This certificate may be transferred in accordance with FAR 21.47.*



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e-mail: [info@univair.com](mailto:info@univair.com)

**BELLANCA**



**PILOT'S  
OPERATING MANUAL**

**DEFINITIVE**

8DWM



**Concorde Battery Corporation  
Limited Warranty Claim Card**

This Limited Warranty Claim Card applies only to RG Series commercial aircraft batteries and assembly parts (temperature sensors, monobloc assemblies, front shell, back shell and heater control units) manufactured and sold by Concorde. This card is for warranty claim purposes only.

The complete terms and conditions of the Concorde Battery Corporation Limited Warranty for Commercial Aircraft Batteries are published on

American Cha  
Date: 06/24/202  
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Misc: CR  
Engine  
Propel  
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# CONCORDE

# RG<sup>®</sup> SERIES



**Aircraft  
Battery**

**Owner/Operator Manual**

Document No. 5-0324, REV. G | Date: September 2, 2020

P/N 6328

# ACK TECHNOLOGIES INC.

## MODEL E-04 ELT INSTALLATION MANUAL OPERATION MANUAL

**IMPORTANT** VISIT OUR WEBSITE [WWW.ACKAVIONICS.COM](http://WWW.ACKAVIONICS.COM) FOR THE LATEST SERVICE BULLETINS AND INSTALLATION INFORMATION BEFORE STARTING THE INSTALLATION.

THE CONDITIONS AND TESTS REQUIRED FOR TSO APPROVAL OF THIS ARTICLE ARE MINIMUM PERFORMANCE STANDARDS. IT IS THE RESPONSIBILITY OF THOSE DESIRING TO INSTALL THIS ARTICLE ON A SPECIFIC TYPE OR CLASS OF AIRCRAFT TO DETERMINE THAT THE AIRCRAFT INSTALLATION CONDITIONS ARE WITHIN THE TSO STANDARDS. THE ARTICLE MAY BE INSTALLED ONLY IF FURTHER EVALUATION BY THE APPLICANT DOCUMENTS AN ACCEPTABLE INSTALLATION AND IT IS APPROVED BY THE ADMINISTRATOR.

#### APPROVALS

FAA /TRANSPORT CANADA  
TSO C-126b  
TSO C-142a  
TSO C-91a

EASA  
ETSO 2C126  
ETSO 2C91a  
ETSO C142a

COSPAS/SARSAT  
T.007

INDUSTRY CANADA  
1863A-E04AF

Brazil ANAC  
ANTEL



P/N E04M REV DATE 03/24/2017  
Rev 1.9 PRINTED IN THE USA

SECTION 3INSPECTIONCGI/S  
2018 DEC3-1. INTRODUCTION

This section provides instructions for conducting inspections. These inspections are described in paragraphs 3-3 and 3-4. Repair or replacement instructions for those components found to be unserviceable at inspection may be found in the section covering the applicable aircraft system.

CAUTION

When working on engines, ground the magneto primary circuit before performing any operation.

3-2. RECOMMENDED LUBRICANTS

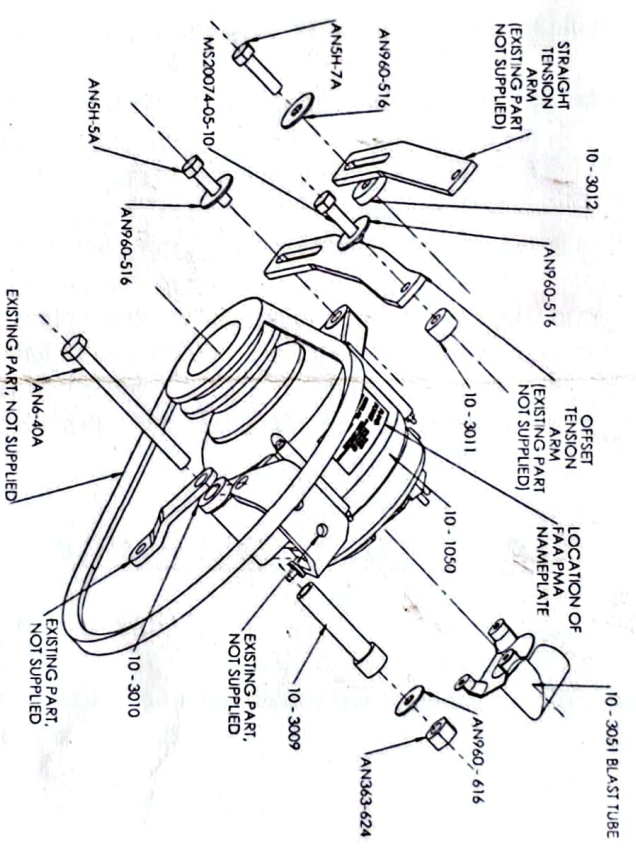
Refer to Recommended Lubricants, Section 2, for lubrication servicing instructions.

3-3. INSPECTION REQUIREMENTS

The required inspection procedures are listed in Table 3-1. The inspection procedure is broken down into major groups which are Engine Run-Up, Propeller, Engine, Cabin, Fuselage and Empennage, Wing, Landing Gear, Operational Inspection and General. The first column in each group lists the inspection of procedure to be performed. The second column is divided into four columns indicating the required inspection intervals of 50 hours, 100 hours, 500 hours and 1,000 hours. Each inspection or operation is required at

Alternator AL12-P70 for Decathlon

NOTE: IF EQUIPPED WITH OFFSET TENSION ARM, SAFETY WIRE (2) TENSION ARM BOLTS (MS2007-4-05-10 & ANSH-5A), OR IF EQUIPPED WITH STRAIGHT TENSION ARM, SAFETY WIRE TENSION ARM BOLT (ANSH-7A) WITH .032" SAFETY WIRE.



REV.	DESCRIPTION	DATE
1	11/19/14	OKG
2	11/19/14	OKG
3	11/19/14	OKG
4	11/19/14	OKG
5	11/19/14	OKG
6	11/19/14	OKG
7	11/19/14	OKG
8	11/19/14	OKG
9	11/19/14	OKG
10	11/19/14	OKG
11	11/19/14	OKG
12	11/19/14	OKG

INSTALLATION AND MAINTENANCE INSTRUCTIONS ON SHEET 2

CLASSIFICATION	CONVENTION	NOTE NO.
Critical	XXX XXX	1
Major	XX XX	2
Minor	X X	3
Reference	(X X X)	4

UNLESS OTHERWISE SPECIFIED	GEOMETRIC SYMBOLS PER ANSI Y14.5
DIMENSIONS ARE IN INCHES AND ANGLES ARE IN DEGREES UNLESS OTHERWISE SPECIFIED	FINISH: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE HONED TO ±0.0005 UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE TO BE HONED TO ±0.0005 UNLESS OTHERWISE SPECIFIED	REFERENCE: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE HONED TO ±0.0005 UNLESS OTHERWISE SPECIFIED
BRACE ALL EDGES AND MACHINE ALL SURFACE FINISH	SCALE: NIS

DRAWN	CHECKED	ENG.	FINISH	WEIGHT	MATERIAL	SEE INDIVIDUAL COMPONENTS	DRAWING NO.	REV.
BJ	EPB	EPB	N/A	N/A	SEE INDIVIDUAL COMPONENTS	SEE INDIVIDUAL COMPONENTS	10-3001	J



Brackets → PN → 10-3009  
 Attn Rodney Arnold at Plane Power  
 334 386 5442  
 rarnold@hartzellenginetech.com

**-DECATHLON-**

**PARTS MANUAL**

**PM-600**



*"Dedicated to Preserving a Classic"*

## PM-600 PARTS MANUAL

This manual applies to 8KCAB aircraft  
model years 1972 to 1980

Issued: May 1, 1979

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[aca-parts@tds.net](mailto:aca-parts@tds.net)

General information or technical support: 262.534.6315  
Toll-free parts ordering: 1.800.223.938