

TITLE

AIR CONDITIONING - AVIONICS COOLING FAN REPLACEMENT

EFFECTIVITY

MODEL	SERIAL NUMBERS
206H	20608017 and On
T206H	T20608022 and On

REASON

The original avionics fan is obsolete. When the avionics fan needs to be replaced, there is a modification to the wiring and fan for correct installation.

DESCRIPTION

This service document provides parts and instructions to remove and replace the avionics cooling fan and the corresponding wiring changes.

COMPLIANCE

OPTIONAL. This service document can be accomplished at the discretion of the owner.

A service document published by Textron Aviation may be recorded as *completed* in an aircraft log only when the following requirements are satisfied:

- 1) The mechanic must complete all of the instructions in the service document, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service document kit. Only with written authorization from Textron Aviation can substitute parts or rebuilt parts be used to replace new parts.
- 3) The mechanic or airplane owner must use the technical data in the service document only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service document only to aircraft serial numbers identified in the *Effectivity* section of the document.
- 5) The mechanic or airplane owner must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

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Textron Aviation is not responsible for the quality of maintenance performed to comply with this document, unless the maintenance is accomplished at a Textron Aviation-owned Service Center.

APPROVAL

Textron Aviation received FAA approval for the technical data in this publication that changes the airplane type design.

FLIGHT CREW OPERATIONS

No Changes

November 18, 2022

SEB-21-02
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CONSUMABLE MATERIAL

No specialized consumable materials are required to complete this service document.

TOOLING

No specialized tooling is required to complete this service document.

WEIGHT AND BALANCE INFORMATION

Negligible

REFERENCES

Cessna Model 206 (Series 1998 And On) Maintenance Manual

PUBLICATIONS AFFECTED

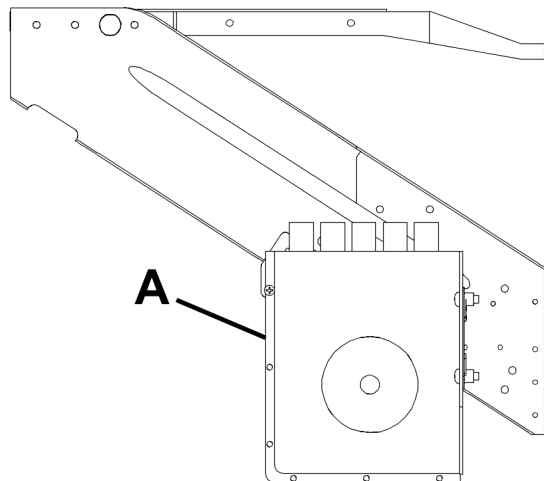
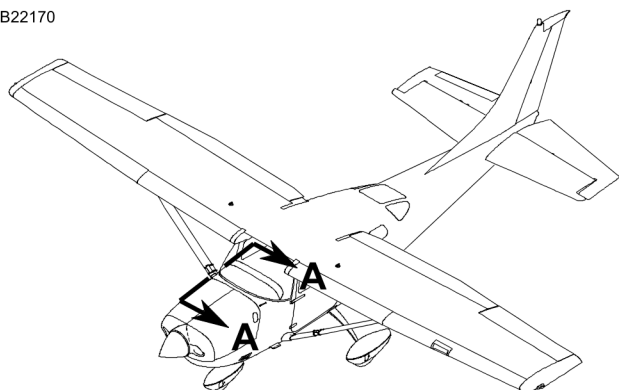
Cessna Model 206 (Series 1998 And On) Maintenance Manual

Cessna Model 206 (Series 1998 And On) Illustrated Parts Catalog

ACCOMPLISHMENT INSTRUCTIONS

1. Prepare the airplane for maintenance.
 - A. Make sure that the airplane is electrically grounded.
 - B. Make sure that all switches are in the OFF/NORM position.
 - C. Disconnect electrical power from the airplane.
 - (1) Disconnect external electrical power.
 - (2) Disconnect the airplane battery.
 - D. Attach maintenance warning tags to the battery and external power receptacle that have **"DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS"** written on them.
2. Disconnect the electrical connector (PC901) from the Avionics Fan.
3. Remove and discard the 4000014-002/ 4000018-002 Avionics Fan. (Refer to the Cessna Model 206 (Series 1998 And On) Maintenance Manual, Chapter 21, Avionics Cooling - Maintenance Practices.)
4. (Refer to Figure 1, Sheet 1.) Mark and trim the fan flange.
5. Install the new ACF528 Avionics Fan to the 1213171 Bracket. (Refer to the Cessna Model 206 (Series 1998 And On) Maintenance Manual, Chapter 21, Avionics Cooling - Maintenance Practices.)
6. (Refer to Figure 1, Sheet 2.) Do the wiring modification as follows:
 - A. Cut the electrical wires close to electrical connector PC901 and discard the connector.
 - B. Install two new 02-06-1103 Contact Sockets to the electrical wires.
 - C. Connect the electrical wires along with new 02-06-1103 Contact Sockets to Pin 1 and Pin 2 of the new 03-09-1032 Electrical Connector (PC901).
7. Connect the electrical connector (PC901) to the Avionics Fan.
8. Remove the maintenance warning tags and connect the airplane battery.
9. Operationally check the fan.
10. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

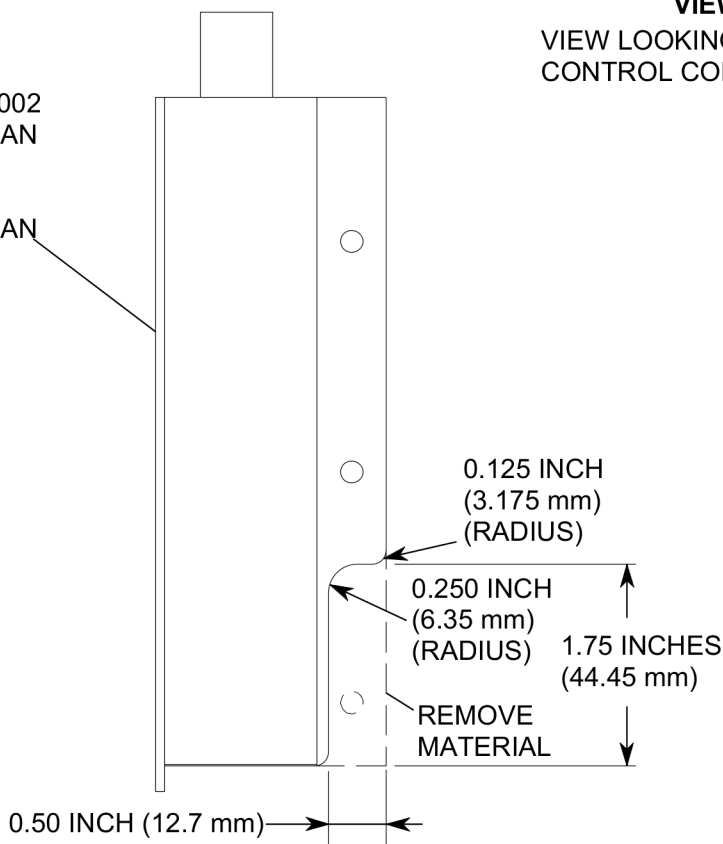
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VIEW A-A

VIEW LOOKING INBOARD AT RH CONTROL COLUMN

4000014-002/4000018-002
AVIONICS COOLING FAN
(DISCARD)
ACF528
AVIONICS COOLING FAN
(1 REQUIRED)



DETAIL A

1210T1001
A-AA3940417

Figure 1. Avionics Cooling Fan Modification and Wiring Installation (Sheet 1)

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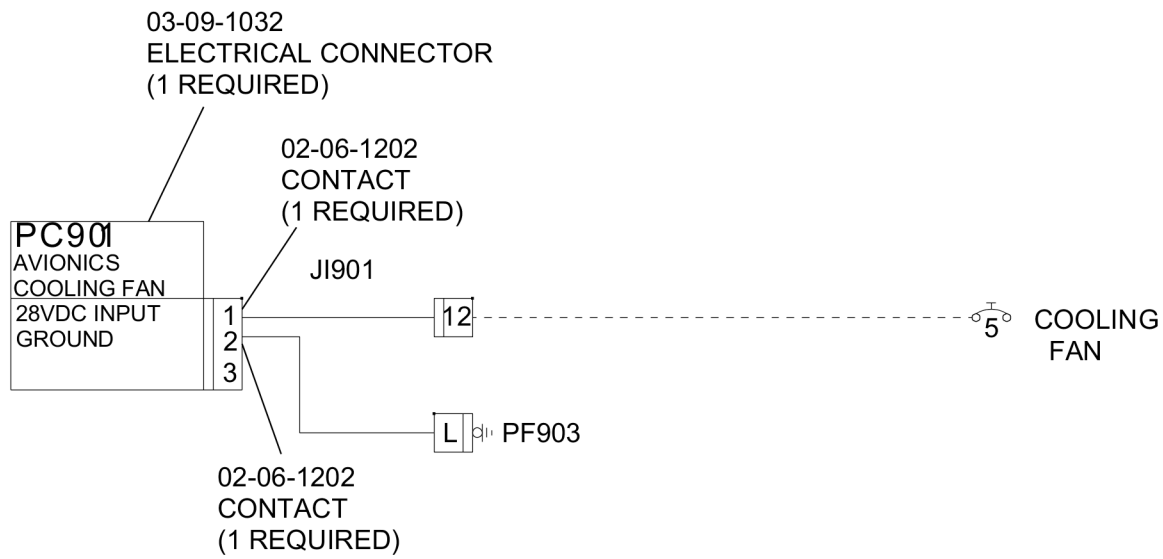


Figure 1. Avionics Cooling Fan Modification and Wiring Installation (Sheet 2)

MATERIAL INFORMATION

Order the kit below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
SEB-21-02	1	Kit , consisting of the following parts:		
ACF528	1	Avionics Cooling Fan	4000014-002/ 4000018-002	Discard
02-06-1103	2	Socket	N/A	
03-09-1032	1	Electrical Connector	03-06-1032	Discard
SEB-21-02	1	Instructions		

* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

TITLE

AIR CONDITIONING - AVIONICS COOLING FAN REPLACEMENT

TO:

Cessna Model 206H and T206H Aircraft Owner

REASON

The original avionics fan is obsolete. When the avionics fan needs to be replaced, there is a modification to the wiring and fan for correct installation.

COMPLIANCE

OPTIONAL. This service document can be accomplished at the discretion of the owner.

LABOR HOURS

WORK PHASE

Modification

LABOR-HOURS

As Necessary

MATERIAL AVAILABILITY

PART NUMBER

SEB-21-02

AVAILABILITY

*

COST

*

* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

WARRANTY

None

NOTE: As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the Customer Access link at www.txtavsupport.com to register.

