



SERVICE BULLETIN
FAA/DAS APPROVED

NUMBER CSB-2002-01
DATE 1-21-02

CENTURY FLIGHT SYSTEMS CONSIDERS THIS SERVICE BULLETIN MANDATORY WITHIN 10 FLIGHT HOURS UPON NOTIFICATION OF THIS SERVICE BULLETIN.

TO: All Century Dealers, Service Centers and Century 2000 Owners

SUBJECT: Intermittent Roll and Pitch Deviation

It has come to the attention of Century Flight Systems that an intermittent condition in some models of the Century 2000 may occur which causes the Flight Computer to lose attitude information. When this happens the aircraft can start a deviation that may not stop at the designed limits of the autopilot.

Century Flight Systems has determined by serial number of the flight computer those that may be susceptible to this condition. **Flight computers with serial number 1591 through 1809 are affected by this Service Bulletin.** Owners of a Century 2000 flight computer whose serial number is within the range listed above are encouraged to contact a Century Dealer or Service Center within the specified time to comply with this Service Bulletin.

Page two of this Service Bulletin provides information to the Century Dealer's or Service Center's service technician as to how to comply with this Service Bulletin. Upon completion of this Service Bulletin, the service technician will attach the confirmation placard provided as stated on page two of this Service Bulletin.

Flight Computers starting with serial number 1810 will be designated as production code "G" to reflect the improvements created by this Service Bulletin.

This Service Bulletin is warranty reimbursable for parts and labor required during the completion of this bulletin. When completing the AEA warranty claim form, be sure to note the unit's part number and serial number and indicate that this Service Bulletin has been complied with to ensure proper credit. Century Flight Systems will grant up to one and one half (1 1/2) hours of warranty time.

WARNING: THIS UNIT CONTAINS STATIC SENSITIVE DEVICES. SERVICE PERSONNEL MUST ENSURE THAT PROPER PRECAUTIONS ARE TAKEN TO PREVENT DAMAGE TO THIS UNIT FROM STATIC DISCHARGE. DISASSEMBLY AND REPAIR SHOULD ONLY BE ACCOMPLISHED IN AN APPROVED WORKSTATION BY PROPERLY TRAINED AND GROUNDED PERSONNEL.

SIGNATURE ON FILE

W.C. Eubanks / Vice President

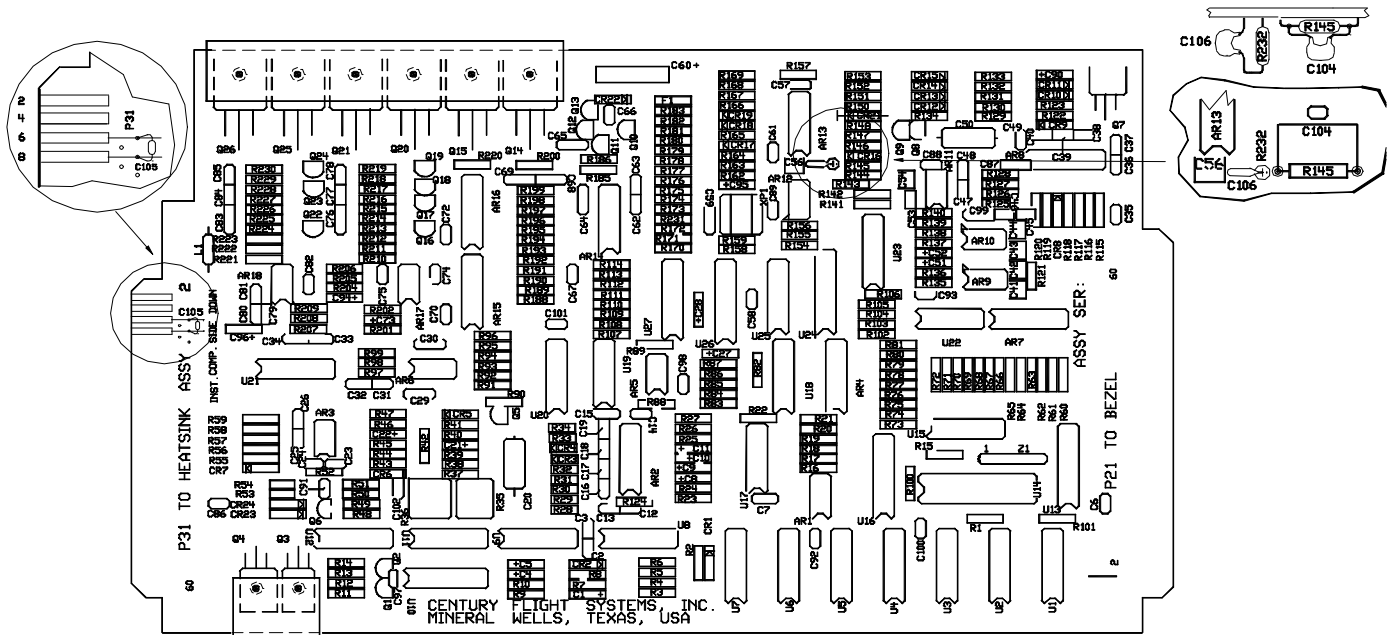
SIGNATURE ON FILE

William R. Watson / DAS Coordinator



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The following drawing depicts the modification to be made to the Century 2000 Basic Autopilot Circuit Board part number 81D664- () (28 volt aircraft) or 81D665- () (14 volt aircraft). This board is the bottom most circuit board.



1. Install a .1mf capacitor (C105) across pins 6 & 8 of edge connector P31. Use existing feed through holes at connector to secure capacitor.
2. Remove C55 from circuit board. Take a 1.5K (R232) resistor and connect one lead to one end of a .047mf capacitor (C106). Form resistor and capacitor as shown above. Connect other lead of R232 & C106 and connect to holes where C55 was located. Insure the lead of C106 is closest to body of C56 and no taller than local components.
3. Install a .01mf capacitor (C104) across resistor R145.
4. Install supplied placard to top cover at the front of the flight computer. If performing the requirements of this Service Bulletin from the Internet, make a placard from an address label with the following information:

THIS FLIGHT COMPUTER HAS BEEN SERVICED PER CENTURY SERVICE BULLETIN CSB-2002-01.

Parts Kit 94A7135 contains all the components to complete this Service Bulletin:

| QTY | PART NUMBER | DESCRIPTION |
|-----|-------------|--------------------|
| 1 | 21S207 | .1MF CAPACITOR |
| 1 | 21S224 | .047MF CAPACITOR |
| 1 | 21S95 | .01MF CAPACITOR |
| 1 | 631K500D4D | 1.5K RESISTOR |
| 1 | PLACARD | COMPLETION PLACARD |