

INSTALLATION BULLETIN 113

Revision 1
1 August, 2005

Subject: Correction to the AIU configuration and wiring diagram between the AIU and the Century 2000 autopilot.

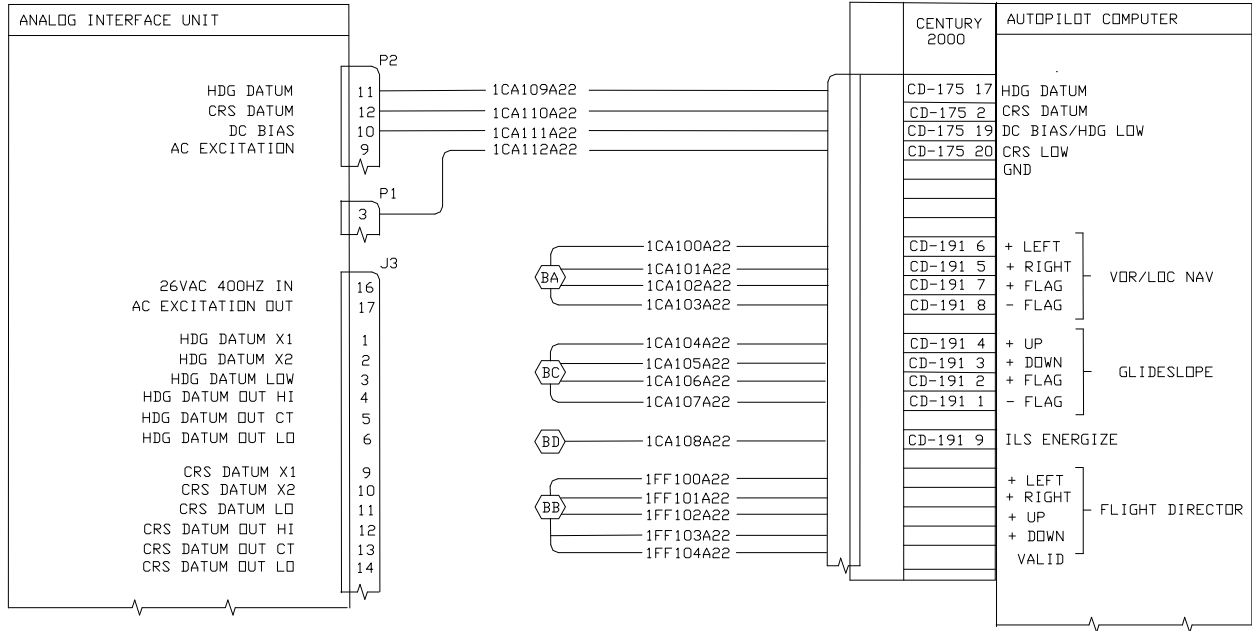
An error has been found in the AIU configuration table and wiring diagram showing interconnect between the AIU and the Century 2000 autopilot. The DIP Switch settings for Heading and Course Gain were set too high, and the associated scaling required adjustment. The wrong pin was designated for DC Bias on the Century 2000 autopilot and has been corrected as shown below.

AIU configuration is as follows:

DIP Switch #1	DOWN
DIP Switch #2	UP
DIP Switch #3	DOWN
DIP Switch #4	UP
DIP Switch #5	UP
DIP Switch #6	DOWN
DIP Switch #7	UP
DIP Switch #8	UP
DIP Switch #9	UP
Slide Switch SW1	LEFT
Autopilot Heading Scaling Factor	2600
Autopilot Heading Polarity	Positive: LEFT
Autopilot Course Scaling Factor	2800
Autopilot Course Polarity	Positive: LEFT
Autopilot Scaling Mode	LINEAR
Horizontal Flight Director Scaling Factor	N/A
Horizontal Flight Director Polarity	Positive: N/A
Vertical Flight Director Scaling Factor	N/A
Vertical Flight Director Polarity	Positive: N/A
Flight Director Valid Flag	Active: N/A
Tap Transformer	N/A

The Heading and Course Datum Scaling Factors contained in the table are for setup only. A flight test must be performed after completion of installation to align the AIU to the autopilot.

The AIU to Century 2000 interface wiring should be as follows:



NOTE: The Century 2000 autopilot references the following pins:

CD-175 Pin 19 “Heading/Course Select”

CD-175 Pin 20 “Heading/Course DC Excitation Ground”

NOTE: Flight Director interface is not authorized for the Chelton EFIS with the Century 2000 autopilot. If the aircraft requires Flight Director for operations per the Pilots Operating Handbook or Airplane Flight Manual Supplement, an alternate Flight Director display is required on the Pilot’s Instrument Panel.

Information contained in this Installation Bulletin will be incorporated into the next revision of the AIU Installation Manual.

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