EFIS Data Test

Step 1:

With GPS power OFF apply power to Trio Autopilot

Step 2:

PRESS and HOLD Trio Autopilot Encoder to enter the Preferences Mode

Step 3:

Set “Select CRS Mode” to: = AUTO ENABLE or = EXT HDG ENABLE.

(Pressing the HMODE Button will change the = to an > and allow you to change the mode)

Step 4:

PRESS and HOLD encoder to exit Preferences Mode

Step 5:

Place Source Select Switch to GPS and turn on GPS

Step 6:

Navigate to the “Self-Test Page” on GPS

Step 7:

If connected properly your CDI will receive a signal from the GPS and you will see a change on the CDI.

Trio Autopilot Annunciations in “Self-Test Page”

WAAS Unit

Blue GPSS and GPSV lights will illuminate and blink indicating the ARINC 429 connection and format is OK.

No GPS message will clear - Green TRK light or Yellow CRS light will illuminate indicating the RS 232 connection and format is OK.

Non WAAS Unit

Blue GPSS light will illuminate and blink indicating the ARINC 429 connection and format is OK.

No GPS message will clear - Solid Green TRK light or Solid Yellow CRS light will illuminate indicating the RS 232 connection and format is OK.

RS 232 ONLY Unit (Portable or VFR Only)

No GPS message will clear - Green TRK light or Yellow CRS light will illuminate indicating the RS 232 connection and format is OK.

Step 8:

Press Enter or Continue on GPS to exit the “Self-Test Page”

Step 9:

Place Source Select Switch to EFIS

Step 10:

With the Servo Off - ROTATE EFIS Heading Bug to 300.

Autopilot reads: SEL = 300 HDG will read current aircraft heading on the ground.

Step 11:

With the Servo Off - SET Altitude on EFIS to 10000 ft. After 3 second delay the autopilot will display VSP SUSP 500

Note: The VSP ft per min will come up as the preference set VS.

EFIS Data Test

Step 12:

Press VMODE one time and the autopilot screen should display ALT SUSP 10000

Step 13:

Press VMODE a second time and the autopilot screen should display current altitude coming from the EFIS.

Step 14:

Change Baro on EFIS – Change should register on the autopilot control head.

If steps 10-14 PASS the Trio Autopilot has been successfully wired and configured for EFIS control.