PRO II CALIBRATION CHECK LIST

ProII_cklst.doc   05/01   rev 2
paper color blue

AOA PRESSURE PORT

POST INSTALLATION PRE FLIGHT

Blow into Blue tube at CPU ------- Air exits Upper Wing Port
Blow into Green tube at CPU ------- Air exits lower Wing Port
Blow into Red tube at the CPU ------------------- IAS increases
Suck on Clear tube at the CPU ------------- Altimeter increases
PITOT/STATIC LEAK TEST------------------- COMPLETED
AIRCRAFT LOG ------------------------------------ UPDATED
AIRCRAFT CHECKLISTS ------------------------ UPDATED
ANNUAL CONDITION C/L----------------------- UPDATED
CHAPTER IX TESTING ------------------------ COMPLETED

HANGAR CALIBRATION

AIRCRAFT LOCATION........................HANGAR
GEAR SWITCH... DOWN
AOA POWER ....ON
AUDIO VOLUME small pot in brain box............ADJUST
AOA SELF TEST ....PASSED or ERRORS
FLAPS UP...................... DONUT CHECKED OFF
FLAPS DOWN ....DONUT CHECKED ON
PTT & DIMMER at same time..........PUSH/RELEASE
CONFIRM flap down hangar calibrate page 1HC
PTT red record button ....PUSH/RELEASE
DIMMER black page button ....4x PUSH/RELEASE
CONFIRM landing gear extend page 1LE
PTT red record button ....PUSH/RELEASE
CONFIRM save data to non-volatile memory page 1SA
PTT red record button ....PUSH/RELEASE

CRUISE CONFIGURATION CALIBRATION

AIRCRAFT LOCATION.................... AIRBORNE
FLAPS/GEAR .... CONFIRMED UP
AOA POWER ....ON
SELF TEST ....COMPLETE
PTT & DIMMER at same time..........PUSH/RELEASE
CONFIRM flap up hangar calibrate page.......................0HC
DIMMER black page button ....PUSH/RELEASE
CONFIRM flap up calibrate page...............................0OL
ZERO "G" MANEUVER for 1/2 sec. ....YES
PTT red record button ....PUSH/RELEASE
CONFIRM flap up angle advisory page 0AA
AIRSPEED 1.15Vs$_1$ descending slow flight................YES
PTT red record button ....PUSH/RELEASE
DIMMER black page button ....2x PUSH/RELEASE
CONFIRM save data to non-volatile memory page 0SA
PTT red record button ....PUSH/RELEASE
YOU ARE NOW IN THE FLIGHT MODE

LANDING CONFIGURATION CALIBRATION

AIRCRAFT LOCATION.................... AIRBORNE
FLAPS/GEAR .... CONFIRMED DOWN
AOA POWER ....ON
SELF TEST ....COMPLETE
PTT & DIMMER at same time..........PUSH/RELEASE
CONFIRM flap down hangar calibrate page 1HC
DIMMER black page button ....PUSH/RELEASE
CONFIRM flap down calibrate page 1OL
ZERO "G" MANEUVER for 1/2 sec. ....YES
PTT red record button ....PUSH/RELEASE
CONFIRM flap down angle advisory page 1AA
AIRSPEED 1.15Vso descending slow flight ....YES
PTT red record button ....PUSH/RELEASE
DIMMER black page button ....3x PUSH/RELEASE
CONFIRM save data to non-volatile memory page 1SA
PTT red record button ....PUSH/RELEASE
YOU ARE NOW IN THE FLIGHT MODE

GEAR WARNING CALIBRATION
If desired

FLAPS/GEAR .... CONFIRMED DOWN
AOA POWER ....ON
SELF TEST ....COMPLETE
PTT & DIMMER at same time..........PUSH/RELEASE
CONFIRM flap down hangar calibrate page 1HC
DIMMER black page button ....5X PUSH/RELEASE
CONFIRM landing gear extend page 1LE
AIRSPEED typical approach speed + 10-15 knots..............YES
PTT red record button ....PUSH/RELEASE
CONFIRM save data to non-volatile memory page 1SA
PTT red record button ....PUSH/RELEASE
YOU ARE NOW IN THE FLIGHT MODE

FLIGHT TEST AOA

VERIFICATION C/L --------------------COMPLETE
CHAPTER X CALIBRATING --------COMPLETE
CHAPTER X FLIGHT TESTING ----COMPLETE

FLY THE AIRPLANE & WATCH FOR TRAFFIC!

The POST INSTALLATION and HANGAR CALIBRA-TION CHECK LISTS must be completed prior to flight. The zero "G" maneuver requires that all unsecured items be removed from the aircraft prior to flight. Two pilots are required during the calibration process and one will be assigned the task to fly the aircraft and nothing more. The flight calibration area will be cleared for traffic and will be at a safe altitude with the IAS always within the green IAS band. Stalls are not required or desired!

Holding push button in for one second and then releasing the button is proper button technique. The brain box records data upon button release. Multiple pushes of both buttons prior to calibration will clean their contacts preventing page skips.