

# PRO III CALIBRATION CHECK LIST

ProIII\_cklst.doc 8/13 rev 1  
paper color blue



## POST INSTALLATION PRE FLIGHT

Blow into Green tube at CPU----- Air exits lower AOA Port  
Blow into Red tube at CPU ----- Air exits Pitot AOA port  
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 1.15V<sub>S1</sub> 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 1.15V<sub>SO</sub> 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 CALIBRATION 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.