Alpha Systems AOA Eagle on the Ground Calibration Card

STEP	ACTION	AUDIO RESPONSE	DISPLAY RESPONSE
1. Ground, Zero Calibration - on ground, engine off, no airflow at AOA probe (clears all settings)			
	Turn system power **OFF**		
	Turn rotary switch to position 1		
	SEL button, press & hold		
	System Power **ON**	"Set Zero Offset"	All LEDs flash
	CAL button, press	"Zero offset complete"	Blue donut + green flash 5X
2. Brightness Calibration			
	Turn system power **OFF**		
	Turn rotary switch to position 3		
	SEL button, press & hold		
	Turn system power **ON**	"Set Brightness Levels"	All LEDs **ON**
Set Daytime:	Light on Photocell, repeatedly press brightness button until desired level	"Maximum Brightness Reached"	Display cycles up through 16 levels of brightness then restarts at minimum level
Set Nightime:	Cover Photocell, repeatedly press Brightness Button until desired level	"Maximum Brightness Reached"	Display cycles up through 16 levels of brightness then restarts at minimum level
At desired selection	Turn system power **OFF**		
3. Select Audio Type			
	Turn system power **OFF**		
	Turn rotary switch to position 5		
	SEL button, press & hold		
	Turn system power **ON**	"Set Audio Choice"	No display response
	CAL button, press	Cycles through 4 audio choices	
At desired selection	Turn system power **OFF**		

Alpha Systems Eagle AOA Calibration Flight Test Card

STEP	ACTION	AUDIO RESPONSE	DISPLAY RESPONSE
In-Flight Calibrations			
1. Optimum Alpha Angle (OAA) Vs x 1.3			
	System Power **ON**		
	Turn rotary switch to position 2		
	SEL button, press	"Set-point calibration on" "Set OAA set-point"	Blue donut LED flash 3X approx. every 8 seconds
Fly @ indentified Vs x 1.3 IAS (Hold Altitude)	On condition, press **CAL**	"OAA set-point complete"	Blue donut LED ON & continues to flash 3X until Step 2
2. Cruise (weight adjusted Va, maneuvering speed)			
	SEL button, press	"Set cruise set-point"	Green LED flash 3X approx. every 8 seconds
	On condition, press **CAL**	"Cruise set-point complete"	
3. Save Settings & Exit			
	Turn rotary switch to position 0		
	SEL button, press	"Calibration off"	Display runs self-test
4. Set Flap Setpoints			
	Turn rotary switch to position 7		
	SEL button, press (repeatedly for flap 2 & 3)	"Set Flap 1 (2) (3)"	Display remains active at current position
Fly Vs (Flaps #1) x 1.3 Fly Vs (Flaps #2) x 1.3 Fly Vs (Flaps #3) x 1.3	On condition, press **CAL**	"Flap 1 (2) (3) Complete"	Blue donut LED **ON**
	Turn rotary switch to position 0		
	SEL button, press	"Calibration Off"	
Repeat Step 4 for Flaps 2 and 3 if necessary			