

Adjusting Tach and Hobbs Time

Overview

Adjusting the Tach and Hobbs time is done from the Calibrations screens in AF-3400/3500. This adjustment does require the authorization of Administrator mode and should only be performed by the registered builder or authorized personnel.

Procedure

- 1. Power the unit on while holding down the far left button (closest to the knob). Release the button when "Instrument Calibration" is visible at the top of the screen.
- 2. Press SELECT to enter Admin Settings.
- 3. Press NEXT to item 18. Administrator Mode. (If items 19 through 26 are currently visible on you screen skip to step 6)
- 4. Turn the Knob until 1010 is displayed in the right column and press SELECT.



5. Press NEXT to move to item 18 Set Tach and Hobbs Time and press SELECT.

Instrument Calibration							
Config: 1. Admin Settings 2. Altitude 3. Aitspeed 4. AOA 5. Battory Voltage 6. Primary Voltage 7. Backup Voltage 8. OAT 9. RPM 10. Mannfold 11. Fuel Flow 12. Fuel Computer 13. Fuel Plow 14. Amperage (Shunt) 15. Amperage (Shunt) 16. Amperage (Shunt) 16. Amperage (Shunt) 16. Amperage (Shunt) 17. Amperage (Shunt) 18. Exhaust Gast Temp (CHT) 20. Turbo Intel Temp (CHT) 21. Horsepower 22. Carb Temp 23. Tank 1 24. Tank 2 25. Tank 3	Configure Admin Settings 1. Transfer Files TO/FROM SD Card 2. Copy Debug Logs To SD Card 3. Copy Debug Logs To SD Card 4. Data Logging Interval (sec) 5. GPS Data Format 6. GPS Baud Rate 7. Serial Port #3 Function 8. Serial Port #4 Function 9. Serial Port #4 Function 10. Syncronize Dual Displays 11. Engine Module Config 12. Arr Module Config 13. AFR Module Config 13. Arr Module Config 14. Retwork IP Number Other Display 15. Retwork IP Number Other Display 16. System Maintenance 17. Administrator Mode 19. Erase Data Logs 20. Erase Data Logs 21. Set Clock NVRAM Defaults 22. Diagnostics 23. Debug Port Enable 24. Network Logging Enable 25. Internal Demo File 26. Exit Application	0 Hrs, 6 Min 5 sec GPS AUATION 9600 bps NAV RADIO DISABLED DISABLED HW:INT, NET:OFF HW:INT, NET:OFF HIGH DISABLED DISABLED DISABLED DISABLED DISABLED DISABLED DISABLED DISABLED					
RETURN NEXT	PREV SELECT						

6. Use NEXT and PREV to move to the desired item and ZERO or the KNOB to adjust the selected values. Be sure to press SAVE when you are finished.

		instrument c	andration		
Config:					
1. Admin Settings	*	1. Hobbs Time 2. Tach Time		0.0	
2. Altitude		3. Today's Time		0.0	
Airspeed		4. Today's Date		21	
4. AOA		5. Last Flight Time		0.0	
5. Battery Voltage					
6. Primary Voltage					
7. Backup voitage					
10 Manifold					
11. Fuel Flow					
12. Fuel Computer					
13. Fuel Pressure					
14. Amperage (Shunt)					
15. Amperage (Hall-Ef	fect)				
Oil Pressure					
17. Oil Temperature					
18. Exhaust Gas Tem	p (EGT)				
19. Cylinder Head Ten	np (CHI)				
20. Turbo iniet Temp (III)				
21. Horsepower 22. Carb Tomp					
22. Carb remp 23. Tank 1					
24 Tank 2					
25. Tank 3					
RETURN	NEXT	PREV	ZERO	SAVE	ADJUST

- 7. Press RETURN to step back to the Admin Settings section of calibration.
- 8. Press PREV to select item 17. Administrator Mode.
- 9. Turn the knob 2 clicks and press SELECT. This will turn off Administrator mode. It is highly recommended that the unit always be taken out of administrator mode when not needed. Administrator mode enables the adjustment of factory calibration settings that can alter the operation and accuracy of the AF-3400/3500 instrument.

Config: 1. Admin Settings 2. Altitude 3. Airspeed 4. AOA 5. Battery Voltage 6. Primary Voltage 7. Backup Voltage 8. OAT 9. RPM 10. Manifold 11. Fuel Flow 12. Fuel Computer 13. Fuel Pressure 14. Amperage (Shunt) 15. Amperage (Shunt) 15. Amperage (Shunt) 16. Oil Pressure 18. Exhaust Gas Temp (EGT) 19. Cylinder Head Temp (CHT) 20. Turbo Inlet Temp (CHT) 21. Horsepower 22. Carb Temp 23. Tank 1 24. Tank 2 25. Tank 3	Configure Admin Settings * 1. Transfer Files TO/FROM SD Card 3. Copy Data Logs To SD Card 4. Opta Logging Interval (sec) 5. Opt Degring Interval 5. Opt Baud Rate 6. Opt Baud Rate 8. Serial Port # 4 Function 8. Serial Port # 4 Function 9. Serial Port # 4 Function 10. Syncronize Dual Displays 11. Engine Module Config 13. AHRS Module Config 13. AHRS Module Config 14. Network IP Number This Display 15. Network IP Number This Display 15. Network IP Number This Display 16. System Mantenance 17. Administrator Mode	Press Select 0 Hrs, 6 Min 9600 bps NAV RADIO DISABLED DISABLED HWV:INT, NET:OFF HWV:INT, NET:OFF HWV:INT, NET:OFF 175 176 DISABLED
RETURN NEXT	PREV SELECT	

If you have followed all of the above mentioned steps and are still having problems please contact Advanced Flight Systems, Inc. for further support.