



## Normal procedures for PFI flight



BEFORE TAXI	
AVIONICS MASTER	ON
MIXTURE	GROUND LEAN
FLAPS	Cycle to T/O
PITOT HEAT	ON or TEST
FUEL TANK SELECTOR	Change tanks
TRANSPONDER	CHECK VFR
AWOS/SET PRESSURE	Garmin, AP, Standby
GARMIN	LOAD radio frequencies
GARMIN	LOAD flight plan / settings
ELECTRIC TRIM	AP Disc -- vfy no mvmnt
AUTOPILOT	ON
FLIGHT CONTROLS	vfy overpower
AUTOPILOT	AP Disc -- PRESS vfy off
TRIM	Set manually
AUTOPILOT	AP Disc -- PRESS
LIGHTS	As required
IDLE RPM	600-800 rpm, then 1000
RADIO	Radio check, intentions
BRAKE TEST	Test both

RUNUP	
BELTS	Check fastened
CANOPY / REAR DOOR	Closed and locked
DOOR WARNING	OFF
FUEL TANK	Fullest Tank
ENGINE INSTRUMENTS	In green
CIRCUIT BREAKERS	In
FUEL PUMP	ON
MIXTURE	RICH (below 5000)
FLAPS	T/O
TRIM	T/O
FLIGHT CONTROLS	Free
THROTTLE	2000 RPM
PROP LEVER	Cycle 3 time
	Manifold Increase
	RPM decrease
	Oil Pressure Decrease
MAGS	Check <175 drop <50 diff
THROTTLE	1000 RPM
ALTERNATE AIR	Check and Close
RADIO	Intentions
LANDING LIGHT	ON

CLIMB	
FLAPS	UP
PROP LEVER	2400
FUEL PUMP	OFF
LANDING LIGHT	OFF
MIXTURE	RICH (>5000 EGT consnt)

CRUISE	
POWER	SET
MIXTURE	LEAN ASSIST
ENGINE INSTRUMENTS	CHECK
	CHT: 150-400, 435 fast cruise, never > 450
	OIL: 165-220, best >190

DESCENT	
MIXTURE	Adjust as required
PROP LEVER	1800-2400
THROTTLE	Reduce SLOWLY
	CHT declines <50°F/min
AWOS / ATIS	CHECK
SEAT BELTS	FASTENED
GAS	FULLEST SIDE
MIXTURE	ADJUST - RICH < 3000
PROP	2400 RPM
SWITCHES	LIGHTS/PITOT
FLAPS	T/O (108 KIAS)
MIXTURE	RICH
PROP	HIGH RPM
FUEL PUMP	ON
LANDING LIGHTS	ON
FLAPS	LDG (91 KIAS)
APPROACH	67 KIAS (2535 lbs) DUAL
T/O Flaps +5 KIAS	63 KIAS (2205 lbs) SOLO
	58 KIAS (1874 lbs)

AFTER LANDING	
HOLD SHORT LINE	Move across and stop
RADIO GROUND	Clearance
THROTTLE	IDLE
FUEL PUMP	OFF
MIXTURE	GROUND LEAN
PITOT	OFF
UNNEEDED LIGHTS/EQU	OFF
FLAPS	UP
SCAN FOR TRAFFIC	Taxi if none

SHUT DOWN	
PARKING BRAKE	Set
ENGINE INSTRUMENTS	Check
HOBBS / TACH	Record
TRANSPONDER	VERIFY VFR
AVIONICS MASTER	OFF
ALL ELECTRICAL EQPT	OFF
THROTTLE	1000 RPM
IGNITION CHECK	OFF then BOTH
THROTTLE	IDLE
MIXTURE	LEAN to SHUT OFF
IGNITION SWITCH	OFF
MASTER	OFF
CO MONITOR	OFF
HEADSETS	OFF
GUST LOCK	Install
TIE DOWNS & CHOCKS	Install
PITOT / STALL / INLET	Install covers
FLIGHT PLAN	Close
CANOPY/REAR DOOR	Close, Lock, take key
TOW BAR	Attach to front wheel

**Only for simulation**