



Normal procedures for PFI flight



Pre-Start Checklist

Parking Brakes	SET
Throttle	CLOSED
Magneto/Starter Switch	OFF
Battery & Alternator Master Switches	OFF
Avionics	OFF
Fuel Pump Switch	OFF
Mixture/Fuel Flow	CUTOFF
Battery Switch	ON
Panel Lights	ON if required
Flight controls	CHECK
Flaps	UP
Fuel Quantity	CHECK
Fuel Selector	BOTH
Avionics Switch	ON
Check Weather	(Atis, Flight Services)
<i>Request Clearance</i>	
Transponder	STANDBY
Beacon	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	OPEN 1/4 INCH
Mixture	RICH
Fuel Pump Switch	ON
Magneto/Starter Switch	START
Throttle	IDLE
Alternator Switch	ON
Oil Pressure, Ammeter	CHECK
Engine Instruments	CHECK
Fuel Pump Switch	OFF
Annunciator Lights	CHECK

Before Taxi Checklist

Nav Lights	ON
Taxi Lights	ON
Heading Indicator/Altimeter	SET

Taxi To Ramp

Strobe Light	OFF
Flaps	RETRACT
Taxi Lights	ON
Landing Lights	OFF
Speed	Max. 20 knots
Throttle	AS REQUIRED
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Fuel Pump	OFF
Avionics Switch	OFF
Taxi Lights	OFF
Nav Lights	OFF
Pitot Heat	OFF
Mixture/Fuel Flow	CUTOFF
Magneto/Starter Switch	OFF
Beacon	OFF
Panel Light	OFF
Battery Switch	OFF
Alternator Switch	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF
<i>Request Taxi Clearance</i>	

Taxi Checklist

Parking Brake	RELEASE
Taxi to assigned runway	SPEED Max. 20 knots
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns

Before Take-off Checklist

Parking Brake	SET
Fuel Quantity	CHECK
Fuel Selector Valve	BOTH
Throttle	IDLE
Mixture	RICH
Alternator Switch	VERIFY ON
Throttle	1800 RPM
Magnetos	CHECK
Ammeter	<150 RPM drop on each,
Throttle	<50 RPM drop between
Oil Temperature	CHECK Positive charge ind.
Elevator Trim	IDLE
Flaps	CHECK
Flight Controls	SET for takeoff
Radios and Avionics	SET 0-10 degrees
Landing Lights	FREE AND CORRECT
Taxi Lights	SET
Strobe Light	ON
Pitot Heat	ON
Transponder	ON
<i>Request Takeoff Clearance</i>	

Only for simulation



Normal procedures for PFI flight



Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	55 KIAS (decision)
Vr =	65 KIAS (rotate)
Pitch	10-15 degrees
At Positive Climb Rate	Touch Brakes
Trim for climb to maintain	75 KIAS
At 500' AGL	RETRACT Flaps if set
Engine Instruments	CHECK

Climb-out Checklist

Throttle	2300 RPM
Mixture	RICH
Autopilot	CHECK and SET
Landing Lights	OFF
Airspeed	80 KIAS 2300 RPM
Climb Rate	700 fpm
ATC	AS REQUIRED

Cruise Checklist

Accelerate to cruise speed	110 KIAS 2500 RPM
Engine+Instruments	CHECK
Engine Temperatures	STABILIZE at cruise cond.
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
Lights	as required
Engine Instruments	CHECK

Descent Checklist

Atis/Airport Information	CHECK
Fuel Selector	BOTH
Altimeter	CHECK
Radios	SET
Descent Speed	100 KIAS 2000 RPM
Descent Rate	-700 fpm
Flaps	CHECK UP
Check Weather	(ATIS, Flight Services)

Approach Checklist

Localizer Level Flight :

Landing Lights	ON
Fuel Pump	ON
Speed: Establish	85 KIAS 2100 RPM
Flaps	10 degrees
Speed: Establish	80 KIAS 2100 RPM
Flaps	20 degrees 2300 RPM
Turning toward runway: set flaps	FULL DOWN

Final Glideslope Descent :

Mixture	RICH (on final)
Speed: Establish	75 KIAS 2100 RPM
Descent Rate	-400 fpm
Parking Brake	VERIFY OFF

Landing Checklist

Autopilot	OFF
Landing Speed	65 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Brakes	MINIMUM REQUIRED