

Tecnam P-Mentor Checklist

FLIGHT (FOR COMPLETE INFORMATION REFER TO P-MENTOR AFM)

BEFORE ENGINE START

Pre-Flight Inspection Complete
Aircraft Move to Starting Position
Passenger Briefing Complete
Master Switch On
Instrument Light As Required
Safety Belts Fastened
Flight Controls Check
Parking Brake Check Lock
Prop High RPM
Throttle Idle
Lane A & B Switches OFF
BCK BATT Switch OFF
Circuit Breakers Check all IN
Avionics Master ON
Standby Instrument Check No Red X's
Fuel Quantity Check
Annunciator Panel Test
Alternate Air Check Closed
Alternate Static Check Closed
Pitch Trim Check/Set T/O
Lights As Required
Canopy Closed and locked

ENGINE START

Fuel Selector Lowest Tank
Propeller Area Clear
Main Fuel Pump ON
Lane A & B Switches ON
BCK BATT Switch OFF
Propeller Lever High RPM
Start Power Switch Hold ON
Throttle Lever Set 55%
Lane Warnings Illuminate and extinguish after 3 seconds
Fuel Pressure Check Stabilized in Green Arc
Engine Starter Push, and Release when > 620 RPM
Start Power Switch Release
Throttle Lever As Required
Oil Pressure Check Rise within 10 Seconds
Lane A & B Warning Lights OFF
Alternator Switch ON
Engine Instruments Check
Throttle Lever Set 1200
Electrical Parameters Check Green Arc

TAXI CHECK

Fuel Tank Selectors Switch Tanks
Flight Instruments Set as Required
Altimeters SET
Autopilot Test
Parking Brake Release
Brakes Check

LANE & IGNITION CHECK/RUN-UP

Parking Brake LOCK (pump brakes)
External Lights As Required
Engine Parameters Check
Fuel Pump ON
Fuel Selector Fulllest Tank
Fuel Pressure Check
Electrical Parameters Check
Prop High RPM
Throttle Set 1650 RPM

LANE B CHECK:

Lane A Switch OFF
Check Engine RPM (Max 100 drop)
Lane A Warning Light ON
Lane B Warning Light OFF

NO:

**Coolant,
Oil Pressure,
Fuel Flow,
Or EGT Indications**

Lane A Switch ON
Land A Warning Light OFF after 3 seconds

LANE A CHECK:

Lane B Switch OFF
Check Engine
RPM (Max 100 drop)
Lane A Warning Light OFF
Lane B Warning Light ON

NO:

**Oil Temperature,
Oil Pressure,
Or Fuel Flow Indications**

Lane B Switch ON
Land B Warning Light OFF
after 3 seconds

Throttle Reduce to 1770 RPM
Prop Cycle 3 Times
Alternate Air Pull, Check Man
Temp Increase
Then Push In
Throttle Lever Idle Check
Throttle 1200 RPM

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FUEL PUMP CHECK

Fuel Pressure Check within Green Arc
Fuel Pump OFF for 5 sec
Fuel Pressure Check within Green Arc
Fuel Pump ON
Main Fuel Pump OFF for 5 sec
Fuel Pressure Check within Green Arc
Main Fuel Pump ON

BEFORE TAKE-OFF

Take-Off Briefing Complete
Pitot Heat As Required
Flaps Set T/O
Trim Set Neutral
Flight Controls Check Free
Transponder Check
Fuel Pumps Check Both ON
Seat Belts Check Fastened
Canopy Check Closed and Locked

TAKE-OFF

Prop High RPM
(Check 2350 RPM)
Throttle Full
Engine Instruments Check/In Green
Brakes Release
Vr (53kts) Rotate

AT SAFE ALTITUDE

Flaps UP
Prop Pull Back to Green
Fuel Pump OFF
Landing Light OFF

CLIMB

Prop As Required
(Max Cont 2265 RPM)
Throttle As Required
Engine Instruments Check

CRUISE

Power As Required
(Throttle back to "ECO"/RPM in Green)
Fuel Tank Selector As Required
Engine Instruments Monitor

PRE-MANEUVER

Fuel Pump As Required
E.S.P OFF
Landing Light ON

POST-MANEUVER

Power ECO
E.S.P ON
Landing Light OFF

DESCENT

ATIS/AWOS/Wx Check
Approach Brief Complete
Throttle As Required
Pitot Heat As Required
Fuel Check

BEFORE LANDING

Landing Light ON
Flaps Set T/O
Fuel Pump ON
Fuel Selector Valve Fullst Tank

ON FINAL

Prop High RPM
Flaps LDG

AFTER LANDING

Fuel Pump OFF
Pitot Heat Check OFF
External Lights As Required
Transponder As Required
Flaps Up

ENGINE SHUTDOWN

Throttle Lever 1200 RPM
External Lights Off Except Strobe
Lane A & B Switches OFF
Main Fuel Pump OFF
Electric/Avionic/Lights OFF
Times Copy
Master Switch OFF
Alternator Switch OFF

POST-FLIGHT CHECK

Wheel Chocks Set
Parking Brake Release
Canopy Close and Lock
Protection Covers Install

Airspeeds

VNE 135
VR 53
VX LDG 56 - T/O 65
VY LDG 61 - T/O 70
VS0 45
VS1 50
VREF 58-61
VG 70
VNO 107
VA 102
VO 102
VFE (T/O) 106
VFE (LDG) 96