



NORMAL CHECK LIST

PA28-201T

PREFLIGHT

Exterior Inspection	COMPLETE
Tow bar and Baggage	STOW PROPERLY
Baggage Door	CLOSE & SECURE
Oil	FROM 3 TO 7 QTS
Dipstick / Oil Filler Cap	SEATED / SECURE
Fuel Quantity	CHECK
Fuel Tank / Fuel Cap	DRAIN / SECURE
Pitot Cover	REMOVE
Tires (Nose/Main)	(27/30) PSI
Chocks and Tie down	REMOVE
Documents	ON BOARD
Emergency Equipment	CHECK
Controls / Flaps	FREE / CHECK
Breakers	CHECK ALL IN
Gear Handle	CHECK DOWN

BEFORE START

Avionics / Autopilot Sw	ALL OFF
Parking Brake	SET
Alternate Air	OFF
Fuel Selector	MORE EMPTY
Mixture	FULL RICH
Propeller Control	FULL FORWARD
Throttle	FULL FORWARD
Master / Alternator	ON / ON
Nav and Strobe Lights	ON
Avionic Master	ON
Avionics Data	CK
Avionic Master	OFF

STARTING ENGINE

Primer	ON 3 - 30 SEC
Throttle	CLOSE
Magnetos	START
If Needed: Primer	ON

When engine starts...

Throttle	SLOWLY OPEN
Magnetos	BOTH
Primer	RELEASE
Aux Fuel Pump	LO ONLY IF NEEDED

STARTING ENGINE (FLOODED)

Mixture	IDLE CUT-OFF
Throttle	FULL FORWARD
Magnetos	START

When engine fires...

Throttle	RETARD
Mixture	ADVANCE SLOWLY

STARTING ENGINE (EXT POWER)

Master / Alternator	OFF / OFF
All Electrical Equip.	OFF
Terminals	CONNECT
Ext. Power Plug	INSERT FUSELAGE
Start Engine	PROCEED NORMAL
Throttle	LOWEST RPM
Ext. Power Plug	DISCONNECT
Master / Alternator	ON / ON

WARM-UP

Throttle	900 TO 1200 RPM
Annunciator Panel	PRESS-TO-TEST
Seat Belts - Harness	FASTEN - ADJUST
Avionic Master	ON
Instrumentation/XPDR	CHECK/STBY

TAXI

Parking Brake	RELEASE
Propeller Control	FULL FORWARD
Brakes	CHECK
Steering	CHECK

GROUND CHECK

Parking Brake	SET
Fuel Selector	FULLEST TANK
Engine & Oil Temp	GREEN ARC
Throttle	1800 TO 2000 RPM
Magnetos (Drop/Diff)	MAX (150/50) RPM
Propeller	3 x MIN 1500 RPM
Mixture	CHECK EGT/CUTOFF
Alternate Air	CHECK
Throttle	900 TO 1200 RPM
Manifold Press. Line	DRAIN

Vso:61 Vs:66 Vx:79 Vy:97 Vfe:108 Vlor:111 Vle:133 Vno:152 Vne:193 (KIAS)



NORMAL CHECK LIST

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BEFORE TAKEOFF

Master / Alternator	ON / ON
Flight Instrument	CHECK
Auxiliary Fuel Pump	OFF
Engine Gauges	GREEN ARC
Alternate Air	CLOSE
Mixture	SET
Propeller Control	FULL FORWARD
Seat Belts - Harness	FASTEN - ADJUST
Flaps	SET
Trim	SET
Controls	FREE
Doors & Windows	CLOSED & LATCHED
Parking Brake	RELEASE
FAN	OFF
Transponder	ALT
Landing Light	ON

TAKEOFF NORMAL

Flaps	SET
Tab	SET
Throttle	41 INCH MAP MAX
Rotate	70 TO 77 KIAS
Gear (positive climb)	UP

TAKEOFF SHORT/SOFT FIELD

Flaps	25° SECOND NOTCH
Throttle	41 INCH MAP MAX
Rotate	53 to 64 KIAS

After breaking ground...

Accelerate	59 to 68 KIAS
Gear (positive climb)	UP
Accelerate	79 KIAS
Flaps	SLOWLY RETRACT

When clear of obstacle...

Accelerate	97 KIAS
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AFTER TAKEOFF

Landing Light	OFF
Flaps	RETRACT FULL UP
Engine Gauges	GREEN ARC

TAKEOFF CLIMB

Mixture	FULL RICH
Prop Speed	2575 RPM
Throttle	41 INCH MAP MAX
Best Angle / Rate	79 KIAS / 97 KIAS
Auxiliary Fuel Pump	LO ONLY IF NEEDED

CRUISE CLIMB

Mixture	FULL RICH
Prop Speed	2450 RPM
Throttle	33 INCH MAP
Climb Speed	104 KIAS
Auxiliary Fuel Pump	LO ONLY IF NEEDED

APPROACH AND LANDING

Fuel Selector	ON FULLEST TANK
Seat Backs	ERECT
Seat Belts - Harness	FASTEN - ADJUST
Mixture	SET
Propeller	SET
Gear	DOWN MAX 133 KIAS
Flaps	SET MAX 108 KIAS
Speed on Short Final	75 KIAS

STOPPING ENGINE

Flaps	RETRACT FULL UP
Radios & Avionics	ALL OFF
Autopilot Switch	OFF
Parking Brake	SET
Propeller	FULL FORWARD
Throttle	1000 RPM FOR 3 MIN

After 3 Minutes...

Throttle	FULL AFT
Mixture	IDLE CUT OFF
Magnetos	OFF
Master Switch	OFF

PARKING

Parking Brake	SET
Control Wheel	SECURE WITH BELT
Flaps	FULL UP
Wheel Chocks	IN PLACE
Tie Downs	SECURE

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