



PIPER PA28-161 CHECKLIST



• DERIVED FROM PA28-161 POH

• NOT ALL PROCEDURES LISTED

1. PREFLIGHT: INTERIOR

DOCUMENTS	A.R.R.O.W.
HOBBS / TACHOMETER	RECORD
MAINTENANCE STATUS	CHECK
PARKING BRAKE	SET
CONTROL LOCK	REMOVE
FLIGHT CONTROLS	FREE & CORRECT
TRIM	NEUTRAL
MAGNETOS / IGNITION	OFF
FUEL SELECTOR	FULLEST TANK
CARBURETOR HEAT	OFF
MIXTURE	IDLE CUT-OFF
THROTTLE	IDLE
ELECTRIC FUEL PUMP	OFF
AVIONICS MASTER & RADIOS	OFF
CIRCUIT BREAKERS	ALL IN
BATTERY MASTER SWITCH	ON
FUEL QUANTITY INDICATORS	VERIFY
ANNUNCIATOR PANEL	CHECK
EXTERIOR & INTERIOR LIGHTS	ON & CHECK
STALL WARNING HORN	CHECK
PITOT HEAT	CHECK
BATTERY MASTER SWITCH	OFF
FLAPS	EXTEND

2. PREFLIGHT: EXTERIOR

(R) FLAP & AILERON	CHECK
(R) WINGTIP & LEADING EDGE	CHECK
(R) TIE-DOWN & CHOCK	REMOVE
(R) FUEL QTY, CAP, VENTS	CHECK
(R) FUEL SUMP VALVE	DRAIN
(R) TIRE, BRAKE & STRUT	CHECK
(R) ENGINE CONDITION	CHECK
OIL QUANTITY	CHECK 8QT / MIN 5QT
PROPELLER & SPINNER	NO DAMAGE
ALTERNATOR BELT	CHECK
ENGINE AIR INLET	NO BLOCKAGE
NOSE-WHEEL & STRUT	CHECK
(L) ENGINE CONDITION	CHECK
(L/R) ENGINE COMPARTMENTS	SECURE
NOSE FUEL STRAINER	DRAIN
(L) TIRE, BRAKE & STRUT	CHECK
(L) FUEL QTY, CAP & VENTS	CHECK
(L) FUEL SUMP VALVE	DRAIN
(L) TIE-DOWN & CHOCK	REMOVE
(L) PITOT TUBE & STATIC PORT	NO BLOCKAGE
(L) LEADING EDGE & WINGTIP	CHECK
(L) AILERON & FLAP	CHECK
ANTENNAS	CHECK
EMPENNAGE CONTROL SURFACES	CHECK
REAR TIE-DOWN	REMOVE
SERIAL PLATE	CHECK
BAGGAGE DOOR	CLOSE & LOCK

3. ENGINE START

FLAPS	RETRACT
PASSENGER SAFETY BRIEFING ...	PERFORM
SEATS	UPRIGHT & SET
SEAT BELTS & HARNESS	ON & SECURE
FUEL SELECTOR	FULLEST TANK
PARKING BREAK	SET
CIRCUIT BREAKERS	ALL IN
CARBURETOR HEAT	OFF
AVIONICS MASTER SWITCH	OFF
BATTERY MASTER SWITCH	ON
ALTERNATOR SWITCH	ON
BEACON	ON
ELECTRIC FUEL PUMP	ON
MIXTURE	RICH
PRIME	AS REQUIRED
THROTTLE	¼ INCH OPEN
MAGNETOS / IGNITION	START
THROTTLE	1,000 RPM
ENGINE INSTRUMENTS	CHECK
ELECTRIC FUEL PUMP	OFF
MIXTURE	LEAN
AVIATIONS MASTER & RADIOS	ON

4. BEFORE TAXI

TRANSPONDER	SET
ATIS / AWOS	OBTAIN
FLIGHT INSTRUMENTS	SET
TAXI BRIEFING	PERFORM
PARKING BRAKE & BRAKES	RELEASE & TEST

5. ENGINE RUN UP

PARKING BREAK	SET
SEAT BELTS & HARNESS	ON & SECURE
FLIGHT CONTROLS	FULL MOTION
TRIM	SET
FUEL SELECTOR	FULLEST TANK
MIXTURE	RICH
THROTTLE	2,000 RPM
MAGNETOS	CHECK 175 / 50 RPM
ENGINE INSTRUMENTS	CHECK
AMMETER	CHECK
VACUUM SUCTION GUAGE	CHECK
ANNUNCIATOR PANEL SWITCH ...	PRESS & TEST
CARBURETOR HEAT	ON RPM DECREASE
THROTTLE IDLE	IDLE CHECK
CARBURETOR HEAT	OFF RPM INCREASE
THROTTLE	1,000 RPM
MIXTURE	AS REQUIRED
FLIGHT INSTRUMENTS	CHECK & SET
COM FREQUENCIES	SET
DEPARTURE BRIEFING	PERFORM
PARKING BREAK	RELEASE



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6. PRE-TAKEOFF

FLAPS	SET
MIXTURE	RICH
ELECTRIC FUEL PUMP	ON
LANDING & STROBE LIGHTS	ON
TRANSPONDER	ALT
DOOR & WINDOWS	CLOSE & LOCK

7. CLIMB: +1000 AGL

FLAPS	RETRACT
ENGINE INSTRUMENTS	CHECK
CLIMB SPEED	79 KIAS

8. CRUISE

THROTTLE	SET
MIXTURE	LEAN
ELECTRIC FUEL PUMP	OFF
TRIM	AS NEEDED

9. APPROACH TO LANDING

THROTTLE	SET
MIXTURE	RICH
ELECTRIC FUEL PUMP	ON
LANDING LIGHT	ON
CARBURETOR HEAT	AS REQUIRED
FUEL SELECTOR	FULLEST TANK
ATIS / AWOS	OBTAIN
AVIONICS	SET / CHECK
FLIGHT INSTRUMENTS	SET / CHECK
SEATS	UPRIGHT & SET
SEAT BELTS & HARNESS	ON & SECURE
APPROACH BRIEFING	PERFORM

10. AFTER LANDING

FLAPS	RETRACT
TRIM	SET
ELECTRIC FUEL PUMP	OFF
LANDING LIGHT	OFF
MIXTURE	LEAN

11. PARKING / SECURING AIRCRAFT

PARKING BRAKE	SET
MAGNETOS	CHECK
RADIOS & AVIONICS MASTER	OFF
MIXTURE	IDLE CUT-OFF
ANTI-COLLISION & NAV LIGHTS	OFF
ALTERNATOR SWITCH	OFF
BATTERY MASTER SWITCH	OFF
MAGNETOS / IGNITION	OFF REMOVE KEY
PARKING BRAKE	SET
HOBBS / TACHOMETER	RECORD

PRIOR TO MANEUVERS

FUEL SELECTOR	FULLEST TANK
MIXTURE	RICH
ELECTRIC FUEL PUMP	ON
LANDING LIGHT	ON
MINIMUM SAFE ALTITUDE	VERIFY
RADIO COMMUNICATION	CHOOSE
CLEARING TURNS	PERFORM

THREE C'S: CLEAR | CONFIGURE | COMMUNICATE

EMERGENCIES

ENGINE FIRE: DURING START UP

MAGNETOS / IGNITION	CRANK
MIXTURE	IDLE CUT-OFF
THROTTLE	FULL OPEN
ELECTRIC FUEL PUMP	OFF
MASTER SWITCH	OFF
FUEL SELECTOR	OFF

ENGINE FIRE: DURING FLIGHT

FUEL SELECTOR	OFF
THROTTLE	IDLE
MIXTURE	IDLE CUT-OFF
FUEL PUMP	OFF
HEAT / DEFROST	OFF

ELECTRICAL FIRE: DURING FLIGHT

MASTER SWITCH	OFF
AVIONICS MASTER	OFF
AIR VENTS	OPEN
HEAT / DEFROST	OFF

ENGINE FAILURE: DURING FLIGHT

AIRSPEED	BEST GLIDE
BEST LANDING SPOT	SELECT
MIXTURE	RICH
ELECTRIC FUEL PUMP	ON
CARBURETOR HEAT	ON
PRIMER	LOCKED
FUEL SELECTOR	SWITCH TANKS
MAGNETOS / IGNITION	START

ENGINE DOESN'T RESTART: 7700 | 121.5 | SECURE ENGINE

V-SPEEDS / GUMPSS

V _R	60 KIAS	G FUEL SELECTOR
V _{S0}	44 KIAS	U UNDERCARRIAGE
V _{S1}	50 KIAS	M MIXTURE
V _X	63 KIAS	P PROPELLOR
V _Y	79 KIAS	S SWITCHES
V _A	111 KIAS	S SEAT BELTS
V _{FE}	103 KIAS	
V _{NO}	126 KIAS	
V _{NE}	160 KIAS	
V _{glide}	73 KIAS	Maximum Demo XWind 17 KIAS