

COCKPIT PREP

☐ PARKING BRAKE	SET
☐ MASTER SWITCH (BAT/ALT)	ON
☐ AVIONICS MASTER	OFF
☐ CIRCUIT BREAKERS	CHECKED IN
☐ FUEL SELECTOR	BOTH
☐ FUEL QUANTITY (L / R)	CHECK / SET
☐ SEAT BELTS / DOORS	SECURE
☐ FLIGHT CONTROLS	FREE & CORRECT
☐ ELEVATOR TRIM	SET FOR T/O
☐ FLAPS	UP
☐ MIXTURE	FULL RICH
☐ CARBURETOR HEAT	COLD
☐ WEIGHT & BALANCE	WITHIN LIMITS

STARTING ENGINE

☐ THROTTLE	CRACKED 1/4"
☐ MIXTURE	FULL RICH (LEAN IF HOT)
☐ PRIMER / PUMP	PRIME AS REQ
☐ CARBURETOR HEAT	COLD
☐ PROP AREA	CLEAR, CALL "CLEAR PROP"
☐ MASTER SWITCH	ON
☐ AUX FUEL PUMP	ON, CHECK PRESS, OFF
☐ IGNITION / START SW	START
☐ OIL PRESSURE	CHECK RISING <30S
☐ RPM (IDLE)	650-800
☐ ALTERNATOR	CHECK POSITIVE
☐ ENGINE IDLE	SMOOTH

AFTER START / BEFORE TAXI

☐ AVIONICS MASTER	ON
☐ GTN / GNS	INIT, FLT PLAN
☐ TRANSPONDER	STBY, CODE SET
☐ RADIOS / COM-NAV	SET
☐ FLIGHT INSTRUMENTS	CROSS-CHECK
☐ FLAPS	CYCLE CHECK
☐ OIL TEMP / PRESSURE	GREEN ARC
☐ SUCTION / VACUUM	CHECK

TAXI

☐ PARKING BRAKE	RELEASE
☐ TAXI LIGHT	ON
☐ BRAKES	CHECK
☐ FLIGHT INSTRUMENTS	CHECK / SET
☐ FLIGHT CONTROLS	CHECK FREE
☐ DIRECTIONAL CONTROL	RUDDER / BRAKES
☐ TAXI SPEED	AS REQ

TAKEOFF & CLIMB

BEFORE TAKEOFF (RUN-UP 1700 RPM)

☐ FLIGHT CONTROLS	FREE & CORRECT
☐ ELEVATOR TRIM	SET FOR T/O
☐ FUEL SELECTOR	BOTH
☐ MIXTURE	FULL RICH / SET
☐ MAGNETOS (L / R)	DROP ≤125 RPM
☐ MAG DIFFERENTIAL	≤50 RPM
☐ CARBURETOR HEAT	CHECK DROP, COLD
☐ PROPELLER CONTROL	CYCLE, FULL FWD
☐ ENGINE INSTRUMENTS	CHECK GREEN
☐ AMMETER / SUCTION	CHECK
☐ FLAPS	SET FOR T/O
☐ LANDING / TAXI LIGHTS	ON
☐ TRANSPONDER	ALT
☐ TAKEOFF BRIEFING	COMPLETE

TAKEOFF

☐ THROTTLE	FULL FORWARD
☐ ENGINE INSTRUMENTS	CHECK GREEN
☐ AIRSPEED ALIVE	CHECK
☐ ROTATE	55-60 KIAS
☐ CLIMB SPEED	Vy 80-85 KIAS
☐ FLAPS	UP BY 300-400 FT AGL
☐ CLIMB CHECKLIST	INITIATE

CLIMB

☐ CLIMB POWER	FULL THROTTLE, 2400 RPM
☐ CLIMB SPEED	85-90 KIAS
☐ MIXTURE	FULL RICH BELOW 3,000 FT
☐ OIL TEMP / PRESSURE	MONITOR GREEN
☐ CARBURETOR HEAT	AS REQ, ICING
☐ FUEL SELECTOR	BOTH

CRUISE

☐ POWER	SET 23" MP / 2300 RPM
☐ MIXTURE	LEAN PER EGT / POH
☐ FUEL FLOW	MONITOR
☐ OIL TEMP / PRESSURE	GREEN
☐ FUEL SELECTOR	BOTH, MONITOR BALANCE
☐ CARBURETOR HEAT	AS REQ

DESCENT, APPROACH & LANDING

DESCENT ☐ POWER REDUCE, SET DESCENT ☐ DESCENT SPEED 100-120 KIAS ☐ MIXTURE ENRICH AS DESCENDING ☐ CARBURETOR HEAT AS REQ ☐ ALTIMETER SET LOCAL ☐ LANDING DATA REVIEW Vref ☐ APPROACH BRIEFING COMPLETE
