

► — PREFLIGHT — ◄	
Stick	FULLY MOVE ALL AXES
Parking Brake	SET
Ignition	OFF
Lights	ALL OFF
Avionics Master	OFF
Cowl Flaps	OPEN
Batteries 1 & 2	ON
Fuel quantity	CHECK
Fuel selector	FULLEST TANK
NavCom	SET
ATIS	RECEIVED
Altimeter	SET
Autopilot	SET
► — ENGINE START — ◄	
Mixture	RICH
Propeller pitch	HIGH RPM
Beacon	ON
Throttle	FULL OPEN
Aux Fuel Pump	ON – FF PEAK – OFF
Throttle	1" OPEN
Nav lights	AS REQD
Engine	START
Throttle	1000 – 1200 RPM
Oil pressure	CHECK 30-100 PSI
Ammeter	CHECK CHARGING
Time	RECORD
Alternators 1 & 2	ON
Avionics Master	ON
► — TAXI — ◄	
3 rd party Apps	START / ON
Taxi light	ON
Flaps	UP
Mixture	AS REQD BY FIELD ELEVATION
Pitot heat	AS REQD
Prop de-ice	AS REQD
► — BEFORE LINE-UP — ◄	
Park brake	ON
Trim	SET TO "3"
Aux fuel pump	CHECK OFF
Throttle	1700 rpm
Ammeter	CHECK STABLE 0-25% at 1000 RPM

Propeller	EXERCISE TO 300 RPM DROP THEN RETURN TO HIGH
Magneto check	<125 MAX & <50 DIFF
Throttle	1000 rpm
Taxi light	OFF
► — AT LINE-UP — ◄	
• Flaps	AS REQD
• Transponder	ALT
• Landing light	ON
• Strobe	ON
• Time	Record
► — TAKE-OFF — ◄	
• Throttle	FULL & HOLD
• Airspeed	ACCEL TO Vr
• FLAPS	UP, AT SAFE ALTITUDE
• GEAR	UP, AT SAFE ALTITUDE
► — CLIMB — ◄	
Throttle	FULL OPEN, 2700 RPM
Mixture	AS REQD, SET BY FF
Aux fuel pump	ON LO ABOVE 5.000 FT ON HI ABOVE 10.000 FT
Cruise climb	120-130 KTS
► — CRUISE — ◄	
Cowl flaps	CLOSED
Throttle	SET 29.6" UP TO 17.500 FT
Propeller	2400 – 2500 RPM
Aux fuel pump	OFF
Mixture	SET BY FF OR BY EGT
Every 10 minutes	FREDA
Fuel	CHECK & SWITCH TANK
Radios	SET
Engine	CHECK
Direction	GYRO CHECK & SET
Altimeter	SET
► — DESCENT — ◄	
Throttle	AS REQD, MAINTAIN CHT >116°C
Mixture	RICHEN
Landing Light	ON
► — INBOUND — ◄	
Radio	SET
Altimeter	SET
Fuel tank	SELECT FULLEST

• Memory item

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Aux fuel pump	OFF
Cowl flaps	AS REQD
▶ — DOWNMIND — ◀	
Fuel	CHECK
Go-around	PLANNED
Throttle	90kts
Propeller	HIGH RPM
Flaps	1 STAGE
Gear	DOWN & CHECK
▶ — BASE LEG — ◀	
Throttle	2000 rpm, 90 kts
Flaps	FULL DOWN
▶ — FINAL — ◀	
Throttle	90 KIAS
Runway	CLEAR
Clearance	RECEIVED
▶ — GO-AROUND — ◀	
• Throttle	FULL & HOLD
• Airspeed	76 KTS UNTIL CLEAR
• FLAPS	UP
• Cowl flaps	OPEN
▶ — AFTER LANDING — ◀	
• Flaps	FULL UP
• Cowl flaps	OPEN
• Transponder	STBY
• Landing light	OFF
• Taxi light	ON
• Strobe	OFF
• Flaps	UP
• Time	RECORD
▶ — SHUTDOWN — ◀	
Parking brake	ON
3 rd party Apps	STOP / OFF
Lights	ALL OFF
Pitot heat	OFF
Alternators	OFF
Throttle	1000 RPM
Mixture	FULL LEAN
Magnetos	OFF
Avionics	OFF
Master	OFF
Time	Record

▶ — OPERATIONAL DATA — ◀	
Vs0	61 kIAS
Vs1	68 kIAS
Vr	67 kIAS
Vx	kIAS
Vy	kIAS
Va	139 kIAS
Vfe, full	124 kIAS
Vfe, stage 1	154 kIAS
Vge	154 kIAS
Vno	165 kIAS
Vappr	90 kIAS
Vne	205 kIAS
Demonstrated crosswind	17 kts
Empty weight	2633 lbs
Max fuel load	480 lbs
Usable fuel	444 lbs
Max payload	1367 lbs
MTOW	4000 lbs
Fuel burn (MTOW, 29.6", 8000 ft, 2500 rpm, Rich of peak, 191 kTAS)	107 lbs/hr 17.9 Gal/hr
Range (-10% and 45 mins reserve)	550 nm
Fuel burn (MTOW, 29.6", 17.500 ft, 2400 rpm, Rich of peak, 206 kTAS)	91 lbs/hr 15.1 Gal/hr
Range (-10% and 45 mins reserve)	750 nm

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