Preflight

Weather	BRIEF
Flight Plan	FILE as rqd.
Weight & Balance	VERIFY OK
INTERIOR	
Documents	ON BOARD
Airworthiness, Registration, POI	H, W &B
Battery Master 2	ON
Avionics Cooling Fan	AUDIBLE
PFD Voltmeter	23-25 V
Flap Position Light	OUT
Battery Master 1	ON
Exterior Lights	CHECK
Fuel Quantity	CHECK
Flaps 100%, CH	HECK LIGHT ON
Oil Annunciator	ON
Battery Masters 1 & 2	OFF
Alternate Static Source	
Circuit Breakers	IN
Fire Extinguisher & Hamme	er ON BOARD
Exterior	WALKAROUND

Before Starting Engine Dunflinks Inc

Preflight Inspection .	COMPLETED
Tiedowns & Wheel Cl	hocks REMOVED
Passengers	BRIEF
Seat Belts, A/C, Fire, Exit,	Traffic/Talking, CAPS
Seat Belts	ADJUST & SECURE
CAPS Pin	REMOVE

Brakes HOLD Ignition Key INSERTED Battery Masters 2 & 1 ... ON, CHECK 24 V

Starting Engine

Strobe Lights ON
Propeller AreaCLEAR
PRIMING (COLD START)
MixtureFULL RICH
Power LeverFULL FORWARD
Fuel PumpPRIME
Prime for 5 secs until fuel flow reaches 15 gph
NORMAL START
Mixture FULL RICH
Power Lever OPEN ¼ INCH
Fuel Pump BOOST
Ignition Switch START
FLOODED START
Fuel Pump 0FF
Mixture CUTOFF
Power LeverFULL FORWARD
Ignition SwitchSTART
Power LeverRETARD
Mixture ADVANCE TO RICH
AFTER ENGINE START
Power Lever

Before Taxiing

Weather InformationOBTA	AIN
Altimeter S	ET
Flaps	UP
DURING TAXIING	
Brakes CHE	CK
HSI OrientationCHE	CK
Attitude IndicatorCHE	CK
Turn Coordinator CHE	CK

Before Takeoff

CAPS Pin	REMOVED
Flight Instruments	CHECK
Flight Controls	REE & CORRECT
Autopilot	TEST
Trim	SET TAKEOFF
Fuel Quantity	CONFIRM
Fuel Selector	SWITCH TANK
Fuel Pump	
Doors	CLOSE & LATCH
ENGINE RUN-UP	
Mixture FUL	L RICH or as rqd.
Brakes	HOLD
Power Lever	1700 RPM
Annunciators	CHECK CLEAR
Pitot Heat & Lights	ON
Alternator Load	CHECK
Alternator Voltage	CHECK 28 V
Pitot Heat & Lights	As rqd.
Magnetos	
Check RPM drop < 150, RPM d	
Engine Parameters	CHECK GREEN
AFTER ENGINE RUN-UP	
Power Lever	
Mixture	. GROUND LEAN
Flaps	
Altimeter	
Navigation & GPS	
COM Radios	
Transponder	
Flight Plan	
Takeoff & Abort Plan	BRIEF

Takeoff

riaps	VERIFY 50%
Mixture	. FULL RICH or as rqd.
Fuel Pump	BOOST
STARTING TAKEOFF	
Power Lever	FULL FORWARD
Propeller	CHECK 2600 RPM
Engine Parameters	CHECK GREEN
At 70 kts, Elevator	ROTATE
At 90 kts, Flaps	UP
At 500' AGL, CAPS .	CALLOUT
Roct Anglo V.	78 (61.) 82 (10.0000

Lights ON TransponderSET

Climb

Power
Mixture As rqd.
Lean to maximum power flow when above 4000'
Engine Parameters CHECK GREEN
Fuel PumpBOOST
FlapsVERIFY UP
Enroute Climb110-120 KIAS

Cruise

Approach & Descent

Approudit a Decocite
Weather Information OBTAIN
Altimeter SET
Approach ProcedureBRIEF
Lights
Fuel Pump BOOST
Fuel SelectorFULLEST TANK
Mixture As rqd.

Before Landing

Fuel Pump	BOOST
MixtureFULL F	RICH or as rqd.
Seat Belts	SECURE
Flaps	DEPLOY
Approach (Flaps UP)	. 100-110 KIAS
Approach (Flaps 50%)	. 90-100 KIAS
Approach (Flaps 100%)	80-85 KIAS
Short Field (Flaps 100%)	77 KIAS

Go-Around

Autopilot	DISENGAGE
Power Lever	FULL FORWARD
MixtureI	
Flaps	50%, UP
Retract all flaps when airs	peed is above 80 KIAS

After Landing

Power Lever	1000 RPM
Mixture	GROUND LEAN
Flaps	
Transponder	VFR

Shutdown

Fuel QuantityRECORD)
Avionics Master OFF	F
Power Lever IDLE	E
Fuel PumpOFF	F
Mixture CUTOFF	F
All Switches OFF	F
Ignition Switch OFF	F

Airspeeds & Limits (All Speeds in KIAS)

Mixture GROUND LEAN Alternator Masters 1 & 2 ON Avionics Master ON

Engine Parameters CHECK GREEN

Never Exceed V_{NE} 201 Max Cruise V_{NO} 178 Maneuvering V_O 133 (3400 lb) 123 (2900 lb) CAPS Deployment V_{PD} 133

Flap Extension V_{FE} 119 (50%) 104 (100%)

Best Glide V_G 88 Stall V_S 70 (clean) 59 (flaps)

Oil 15W-50/20W-50/20W-60, 6-8 qt | Fuel Capacity 47 gal (tabs) 81 gal (total)

MTOW 3400 lb BEW 2340 lb