



"I'M SAFE"		ENGINE START		BEFORE TAKE-OFF		IN-RANGE		BEFORE LANDING		AFTER LANDING			
I	ILLNESS	Mixture	FULL RICH	Departure	BRIEFED	ATIS / Weather	OBTAIN	Pattern Speeds:	90/80/80	Pitot Heat	OFF		
M	MEDICATION	Throttle	1/4 IN	Seats & Belts	SECURE	Altimeters (x2)	SET	Trim	AS REQ'D	Fuel Pump	OFF		
S	STRESS	Propeller	FULL FORWARD	Door/Windows	LATCHED	Approach	BRIEF	Lights	AS REQ'D	Mixture	LEAN FOR TAXI		
A	ALCOHOL	Beacon	ON	Trim	SET	DESCENT		GUMPPSS		Flaps	RETRACT		
F	FATIGUE	Master	ON	Instruments & Avionics	SET					Gas	FULLEST TANK	Landing Light	AS REQ'D
E	EMOTION	Fuel Pump	ON	Flaps	AS REQUIRED	Power	AS NEEDED	Mixture	FULL RICH	SHUTDOWN			
A/C ACCEPTANCE		Fuel Pressure	CHECK	Lights	ALL ON	Fuel	FULLEST TANK	Pump - Fuel	ON				
Weather / NOTAMs		Prime	6-8 STROKES	Transponder	CHECK ALT	Mixture	AS REQUIRED	Propeller	HIGH	Brakes	OFF		
Weight & Balance		Propeller Area	CLEAR	DG/Heading Bug	SET	Carb Heat	AS REQUIRED	Speed	VERIFY	Beacon	OFF		
Performance		Magnetos	START	Pitot Heat	AS REQUIRED	Altimeters (x2)	SET	Seat Belts	CHECK	Lights	OFF		
Flight Plan		Oil Pressure	GREEN	Mixture	FULL RICH	APPROACH		Carb Heat	CYCLE	Flaps	RETRACTED		
Maintenance Status		Throttle	1,000 RPM	Fuel Pump	ON			Flaps <102kt	AS REQ'D	Flaps <102kt	AS REQ'D	Trim	SET
Fire Extinguisher		Fuel Pump	OFF	Comms	TOWER	GUMPPSS		Brake Pressure	CHECK	Avionics & PFD	OFF		
Hobbs Meter		Fuel Pressure	CHECK	TAKE-OFF				Final - trim for 76 KTS	BALKED LANDING		Heat / Fans	OFF	
Tachometer Time		Mixture	LEAN FOR TAXI	Engine Inst.	GREEN	Gas	FULLEST TANK	Throttle			FULL	Throttle	IDLE
A.R.O.W.		Ammeter	CHECK	Vr - 60-65 KTS	ROTATE	Mixture	AS REQ'D	Carb Heat	OFF	Mixture	CUT-OFF		
PRE-FLIGHT		Circuit Breakers	CHECK	Vx - 73 KTS	CLIMB	Pump - Fuel	ON	Flaps	UP	Magnetos	OFF		
Control Lock	REMOVED	BEFORE TAXI		Vy - 85 KTS	CLIMB	Propeller	AS REQ'D	Vy	76 KTS	Master	OFF		
All Switches	OFF	Avionics & PFD	ON	300ft AGL	FLAPS UP	Speed	VERIFY	GO TO CLIMB CHECKLIST		CO Monitor	OFF		
Avionics & PFD	OFF	ATIS / Wx	OBTAIN	CLIMB		Seat Belts	CHECK			Control Lock	SECURE		
Alt. Static Source	CHECK	Clearance	OBTAIN	1,000ft AGL:		Pitot Heat	AS REQ'D			Chocks / Ties	SECURE	Hobbs Time	LOG
Trim	Neutral	Altimeters (x2) & Inst.	SET	Power	25" MP 2400 RPM	Radios	SET	Pilot Partner	RECORD	Cabin	CLEAN UP		
Master	ON	GPS/Flight-plan	SET	Fuel Pump	OFF	Approach	BRIEF	Best Power 5000 MSL - 75% Peak EGT +50°F 22.6"MP 2.300RPM 13.6 GPH		Best Power 7000 MSL - 75% Peak EGT +50°F Full Throttle 2.300RPM 13.6 GPH			
Fuel Gauges	CHECK	Radios	SET	Fuel Pressure	CHECK	Minimums	NOTE					Best Power 9000 MSL - 65% Peak EGT +50°F 19.7"MP 2.300RPM 11.8 GPH	
CO Monitor	ON	Transponder	CODE/ALT	Lights	AS REQUIRED	Missed Approach	BRIEF	SEE PERFORMANCE INDEX CARD FOR ADDITIONAL DETAILED POWER SETTINGS					
Annunciators	TEST/CHECK	Lights	AS REQUIRED	Engine Inst.	MONITOR	Auto-Pilot	SET						
Lights	CHECK	Taxi Route	BRIEFED	Vy - En Route	100 KTS	CDI / Nav Source	SET	V SPEEDS		FUEL, OIL, ELEC.		AIRCRAFT STATS	
Pitot Heat	CHECK IF IFR	Brakes	TEST	CRUISE				V speed	CIAS	USABLE FUEL:		Max Ramp Wt	3,011 LBS
Pitot / Static	CLEAR	RUN UP		Power	Per Table			BEST GLIDE	85	Tanks Full	72 GAL	Max TakeOff Wt	3,000 LBS
Stall Warning	CHECK	Parking Brake	SET	Mixture	PEAK +50			Vne	never	Tanks to Tabs	50 GAL	Max Baggage Wt	200 LBS
Master	OFF	Flight Ctrls	FREE/CORRECT	Trim	SET			Vno	structural	OIL:		Weight & Balance - Current values are in the Flight Log Binder and on the SFC website	
Fuel	SUMP	Propeller	FORWARD	Lights	AS REQUIRED			Va	maneuvering	Typical	8.0-9.0 QTS		
Oil	8 Qts Minimum	Mixture	RICH	DG	SET TO COMPASS			Vs0	stall dirty	Capacity	12.0 QTS	Max RPM	2,400
Baggage Door	SECURED	Throttle	2,000 RPM	Engine Inst.	MONITOR			Vs1	stall clean	Minimum	8.0 QTS	ELECTRICAL:	
Chocks / Ties	REMOVED	Magnetos	CHECK	Fuel	30 MIN / SWITCH			Vfe	flaps	102	Voltage		
Walk-Around	COMPLETE	Carb Heat	CHECK	Navigate	VERIFY					Alternator	60 A		
BEFORE START		Cycle Prop	3X GENTLY							N2363U - 1979 PA28-236 Dakota (P28B)			
Pre-Flight	COMPLETE	Gauges	CHECK					Checklist Revision 13Feb2024					
Passengers	BRIEFED	Ammeter	CHECK										
Seat & Belts	SECURE	Idle	CHECK										
Brakes	SET	Throttle	1,000 RPM										
Fuel	PROPER TANK												
Mixture	CUT-OFF												
Avionics & PFD	OFF												
Circuit Breakers	CHECK												
Flaps	UP												

EMERGENCY PROCEDURES

EMERGENCY PROCEDURES

ENGINE FAILURE – TAKEOFF

IF RUNWAY REMAINS...
LAND STRAIGHT AHEAD

BEST GLIDE 85 KTS
 FUEL SELECTOR SWITCH TANKS
 FUEL PUMP ON
 MIXTURE RICH
 CARB HEAT ON
 PRIMER LOCKED

IF POWER IS NOT REGAINED...
PROCEED TO POWER OFF LANDING

POWER OFF LANDING

BEST GLIDE 85 KTS
 LANDING SITE COMMIT
 FLAPS AS DESIRED
 IGNITION OFF
 MASTER OFF
 THROTTLE CLOSE
 MIXTURE CUT-OFF
 DOORS UNLATCHED
 SEAT BELTS FASTENED

CARB ICING

CARB HEAT ON
 ADJUST MIXTURE FOR MAX SMOOTHNESS

HIGH OIL TEMPERATURE

LAND AT NEAREST AIRPORT
 PREPARE FOR POWER OFF LANDING

ENGINE FAILURE – IN-FLIGHT

IF LOW ALTITUDE...
BEST GLIDE 85 KTS
 PREPARE FOR POWER OFF LANDING

IF ALTITUDE PERMITS...
BEST GLIDE 85 KTS
 FUEL SELECTOR SWITCH TANKS
 FUEL PUMP ON
 MIXTURE RICH
 CARB HEAT ON
 ENGINE INSTRUMENTS CHECK
 PRIMER LOCKED

IF POWER IS RESTORED...

FUEL PUMP OFF
 CARB HEAT OFF

IF POWER IS NOT RESTORED...

PROCEED TO POWER OFF LANDING
 SQUAWK 7700
 DECLARE EMERGENCY
 (ATC or 121.5)

LOSS OF OIL PRESSURE

LAND AS SOON AS POSSIBLE
 PREPARE FOR POWER OFF LANDING

LOSS OF FUEL PRESSURE

FUEL PUMP ON
 FUEL SELECTOR SWITCH TANKS

FIRE DURING START

STARTER ENGAGE
 MIXTURE CUT-OFF
 THROTTLE OPEN
 FUEL PUMP OFF
 FUEL SELECTOR OFF
 EVACUATE IF FIRE CONTINUES

FIRE DURING TAXI

AIRPLANE STOP
 MIXTURE CUT-OFF
 FUEL OFF
 MASTER OFF
 EVACUATE AIRCRAFT

PROP OVERSPEED

THROTTLE RETARD
 OIL PRESSURE CHECK
 PROP CNTL: Full DECREASE rpm then set if control available
 AIRSPEED REDUCE
 THROTTLE RPM <2400

ENGINE ROUGHNESS

CARB HEAT ON
IF ROUGHNESS CONTINUES AFTER 1 MINUTE...
 CARB HEAT OFF
 MIXTURE ADJUST FOR MAX SMOOTHNESS
 FUEL PUMP ON
 FUEL SELECTOR SWITCH TANKS
 ENGINE GAUGES CHECK
 MAGNETOS L then R then BOTH

If operation is satisfactory on either one, continue on that magneto at reduced power and full "RICH" mixture to the first airport.

PREPARE FOR POWER OFF LANDING

SPIN RECOVERY

THROTTLE IDLE
 AILERONS NEUTRAL
 RUDDER OPPOSITE DIRECTION OF ROTATION
 YOKE FULL FORWARD

RUDDER AND YOKE NEUTRAL WHEN ROTATION STOPS.
 YOKE AS REQUIRED TO REGAIN LEVEL FLIGHT.

ENGINE FIRE IN FLIGHT

FUEL SELECTOR OFF
 THROTTLE CLOSED
 MIXTURE CUT-OFF
 FUEL PUMP OFF
 CABIN HEATER OFF
 PREPARE FOR POWER OFF LANDING

CABIN FIRE IN FLIGHT

MASTER OFF
 VENTS OPEN
 CABIN HEAT OFF
 LAND AS SOON AS POSSIBLE

ELECTRICAL

INSUFFICIENT CHARGE:
 Turn off non-essential items.
 Check circuit breakers.
 Turn Alt switch off for 1 second, then on.

IF NO OUTPUT...
 LAND A.S.A.P.
 LOST COMM: SQUAWK 7600

EXCESSIVE CHARGE:
 Turn off BATT Master. If ammeter reading DOES NOT decrease, turn Alt switch off. LAND A.S.A.P.

If ammeter reading DOES decrease, turn BATT Master switch on and monitor for 5 minutes, then land A.S.A.P.

ATC LIGHTS

Light Gun	On Ground	In Flight
Steady Green	Clr Takeoff	Clr Land
Flashing Green	Clr Taxi	Return/Land
Steady Red	Stop	Yield/Circle
Flashing Red	Taxi off Rwy	Do Not Land
Flashing White	Return	--
Alt Red/Green	Use Caution	Use Caution

WEIGHT & BALANCE

W&B sheet is in the flight log binder or on the SFC website.
 Always check W&B before flight.

