



"I'M SAFE"		ENGINE START	BEFORE TAKE-OFF	IN-RANGE	BEFORE LANDING	AFTER LANDING					
I	ILLNESS	Flaps	UP	Departure	BRIEFED	ATIS / Weather	OBTAIN	Trim	AS REQUIRED	Pitot Heat	OFF
M	MEDICATION	Propeller Area	CLEAR	Seats & Belts	SECURE	Altimeters	SET	LC GUMPS		Fuel Pump	OFF
S	STRESS	Mixture	FULL RICH	Door/Windows	CLOSED	Approach	BRIEF	Landing Light	ON	Mixture	LEAN FOR TAXI
A	ALCOHOL	Throttle	1/4 IN	Trim	SET	DESCENT		Carb Heat	CYCLE	Flaps	RETRACT
F	FATIGUE	Master	ON	Instruments & Avionics	SET	Flaps	AS REQUIRED	Fuel	FULLEST TANK	Anti-Collision (Wing)	OFF
E	EMOTION	Fuel Pump	ON	Flaps	AS REQUIRED	Trim	SET	Fuel Pump	ON	Landing Light	AS REQ'D
A/C ACCEPTANCE		Fuel Pressure	CHECK	Lights	ALL ON	Mixture	AS REQUIRED	Mixture	RICH	SHUTDOWN	
Weather / NOTAMs		Prime	6-8 STROKES	Transponder	CHECK	Altimeters	SET	Seat-belts	CHECK	Brakes	OFF
Weight & Balance		Magnetos	START	DG/Heading Bug	SET	APPROACH		<i>Below 102 KTS</i>		Lights	OFF
Performance		Oil Pressure	GREEN	Pitot Heat	AS REQUIRED	Radio	SET	Flaps	AS REQUIRED	Flaps	RETRACTED
Flight Plan		Throttle	1,000 RPM	Mixture	FULL RICH	Audio Panel	SET	Brake Pressure	CHECK	Trim	SET
Maintenance Status		Fuel Pump	OFF	Fuel Pump	ON	Fuel	FULLEST TANK	<i>Final - trim for 76 KTS</i>		Avionics	OFF
Fire Extinguisher		Fuel Pressure	CHECK	TAKE-OFF		Fuel Pump	ON	BALKED LANDING		Heat / Fans	OFF
Hobbs Meter		Mixture	LEAN FOR TAXI	Engine Inst.	GREEN	Approach	BRIEF	Throttle	FULL	Throttle	IDLE
Tachometer Time		Ammeter	CHECK	Vr - 55 KTS	ROTATE	Minimums	NOTE	Carb Heat	OFF	Mixture	CUT-OFF
A.R.O.W.				Vx - 64 KTS	CLIMB	Missed Approach	BRIEF	Flaps	UP	Magnetos	OFF
PRE-FLIGHT				Vy - 76 KTS	CLIMB	Auto-Pilot	SET	Vy	76 KTS	Master	OFF
Fuel Selector				CLIMB		CDI / Nav Source	SET	<i>GO TO CLIMB CHECKLIST</i>		Control Lock	SECURE
Alt. Static Source				Flaps	UP	Pitot Heat	ON			Chocks / Ties	SECURE
Avionics Switch				1,000ft AGL	PUMP OFF	Lights	AS REQUIRED	Best Economy - 55% Peak EGT 2,300 RPM / 6.3 GPH		Hobbs Time	LOG
Control Lock				Fuel Pressure	CHECK			Best Economy - 65% Peak EGT 2,450 RPM / 7.6 GPH		Pilot Partner	RECORD
Master				Lights	AS REQUIRED			Best Power - 65% Peak EGT +100°F 2,450 RPM / 9.0 GPH		Cabin	CLEAN UP
Fuel Gauges				Engine Inst.	MONITOR			Best Power - 75% Peak EGT +100°F 2,550 RPM / 10.5 GPH		SEE PERFORMANCE INDEX CARD FOR ADDITIONAL DETAILED POWER SETTINGS	
Annunciators				Vy - En Route	87 KTS						
Lights				CRUISE		V SPEEDS		FUEL, OIL, ELEC.		WEIGHT & BALANCE	
Pitot Heat				Throttle	SET	V speed	CIAS	USABLE FUEL:		AS OF 11/14/2018	
Master				Mixture	ADJUST	BEST GLIDE	76	Tanks Full		WITHOUT PANTS:	
Pitot / Static				Trim	SET	Vne	never	Tanks to Tabs		Empty Weight	
Stall Warning				Lights	AS REQUIRED	Vno	structural			Useful Load	
Fuel				DG	SET TO COMPASS	Va	maneuvering	OIL:		WITH PANTS:	
Oil				Engine Inst.	MONITOR	Vs0	stall dirty	Typical		Empty Weight	
Baggage Door				Fuel	30 MIN / SWITCH	Vs1	stall clean	Capacity		Useful Load	
Chocks / Ties						Vfe	flaps	Minimum		WITH PANTS:	
Walk-Around				N38254				ELECTRICAL:		Empty Weight	
BEFORE START								Voltage		Useful Load	
Pre-Flight								Alternator		MAX BAGGAGE	
Passengers								12 V		200 LBS	
Seat & Belts								60 A		MAX TAKE-OFF	
Brakes										2,550 LBS	
Fuel											
Mixture											
Avionics											
Anti-Collision (FIN)											
Circuit Breakers											

EMERGENCY PROCEDURES

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ENGINE FAILURE – TAKEOFF

IF RUNWAY REMAINS...
LAND STRAIGHT AHEAD

BEST GLIDE 76 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 76 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 76 KTS

PREPARE FOR POWER OFF LANDING

IF ALTITUDE PERMITS...

BEST GLIDE 76 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

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

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.
YOLK AS REQUIRED TO REGAIN LEVEL FLIGHT.

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

AS OF 11/14/2018

USEFUL LOADS

W/ PANTS 989 LBS

W/O PANTS 1,000 LBS

