



BEFORE STARTING ENGINE		PLC UPDATED AND REVIEWED	May 2020 LM
1	Rudder Pedals, harness, cushions	pedals are centered, pilot eyes should be 3 inches above cowl.	
2	Back up EFIS ON	GPS-PUSH (D-) D with arrow and select RECENTS	
3	Enter Destination	Select destination from recents and enter, if correct, enter again	
4	FUEL	SET actual starting fuel quantity	
5	SAFE TAXI	Load safe taxi in G3X Touch and read out loud taxi plan	
6	To prevent vapor lock	March 15th-May1, use at least half 100LL	
7	PARKING BRAKE	SET (DO NOT RIDE BRAKES DURING TAXI)	
8	CIRCUIT BREAKERS	CHECK all in	
9	FUEL SELECTOR	LEFT TANK (or fullest tank)	
10	Back up EFIS	OFF	
STARTING ENGINE			
1	MASTER SWITCH	ON	
2	EFIS 1	ON AND SELECTOR ENGINE PAGE WITH FUEL PRESSURE	
5	IGNITION SWITCH	On Both or both on	
6	AUX FUEL PUMP	ON to verify operation, then off	
7	THROTTLE	CLOSED	
9	CHOKE	ON FOR FIRST FLIGHT OF THE DAY, OFF after starting	
10	STROBE	ON	
11	IGNITION TO START	Hold until engine starts, then release, ADVANCE CHOKE	
12	THROTTLE AFTER START	SET 2200 RPM Avionic power switch ON Head sets ON	
13	AUX FUEL PUMP	ON and remains on until reaching cruise altitude	
14	EFIS 2 and AVIONICS	ON- KISP ATIS120.725 CD121.85 G135.3 T119.3 DEP120.05	
15	AUTO PILOT & Volumes	AP OFF Test volume of intercom and radio	
BEFORE TAXI CHECKLIST			
1	ALTIMETER / BARO	SET FIELD ELEVATION	
2	GPS / NAV EQUIPMENT	ON & SET TO DESTINATION or (FLIGHT PLAN)	
3	CONTROL SURFACES	CORRECT-BRIEF PASSENGER TO KEEP THIGHS WIDE	
BEFORE TAKEOFF CHECKLIST-RUN UP			
		Set brake C. I. G. A. R	
1	CONTROLS	Free and correct	
2	INSTRUMENTS	All in the green, oil temp 120 degrees F before takeoff	
3	GAS	ON LEFT or fullest tank	
4	ATTITUDE TRIM TABs	Set for take off	
6	RUN UP	4000 RPM, shut off #1 mag, drop less than 150 rpm, check #2	
7	CARB HEAT	Pull on-notice drop, throttle idle-check RPM-push in	
TAKEOFF			
		YOU MUST SEE OVER THE NOSE AT ALL TIMES	
1	FULL POWER	Glance and verify 4800-5200 RPM, then add some back pressure	
2	ROTATE	more back pressure after 5 seconds, hold slight up nose attitude	
3	CLIMB	Vx 65 knots Best Angle until obstacles are cleared then Vy 72 KIAS	
4	Safe Maneuvering Climb Speed	Flaps up, Climb at Vy 72 KIAS + 10 knots or 82 knots Vmcs	
5	CHT	DO NOT EXCEED 275 F, use lower climb attitude for cooling	
CRUISE			
		AUX PUMP OFF... 5000-5350 RPM	
DESCENT			
		4000 RPM ADJUST TRIM	
BEFORE LANDING CHECKLIST			
		BEST GLIDE SPEED IS 70 KIAS 10 FLAPS	
1	GAS	FUEL ON FULLEST TANK AUX PUMP ON	
2	DOWNWIND 75	4000 RPM and slow to Vfe 75 KIAS add 10 DEGREES FLAPS	
3	ABEAM THE NUMBER 70	3800 RPM, 20 degrees flaps, adjust trim for 60 KIAS +10/-5	
4	BASE LEG 70	3600 RPM Turn on to Base Leg after above is complete	
4	Once on BASE LEG 65	3500 RPM Am I Too High, Too Low, or just right DO SOMETHING	
5	FINAL 65	3400 RPM 600' 500'AGL AS TURNING FINAL IS IDEAL	
6	Look at VASI 60	about 5 degrees nose down Trim aircraft 60 KIAS +5/-0	
7	MID-FINAL-SET POWER 60	3300 RPM and aim for spot beyond numbers 60 kias +5/ -0	
8	DFGAP 60	AT 200' AGL-ON CENTERLINE, Go around if no stabilized	
9	SHORT FINAL 55	3200 RPM At 5', the height of a car, fly level 55 kts over the fence	
10	EYE TRANSITION POINT 55	As the plane settles, look down the runway to the end	
11	WAIT 55	WAIT 4', 3', 2', 1', smooth back pressure	
12	LANDING 50	Establish slight nose up attitude and wait for touchdown	
13	AFTER TOUCH DOWN	Power is off and Verify... hold nose slightly up to dissipate energy	
14	After Touch Down if windy	Power off and fly nose wheel to the runway	
SHUTDOWN			
		Turn into the wind... Parking brake set	
1	THROTTLE	HOLD THROTTLE TO ASSURE IDLE 1600-1800 RPM	
2	IGNITION AND FUEL PUMPS	LEFT OFF, RIGHT OFF- FUEL PUMP OFF	
3	MASTER	OFF	
4	SWITCHES	ALL OFF AND STROBE ON PARKING BRAKE as needed	