

POH/AFM takes priority over this checklist.

CESSNA 172P KNOTS G5S, G1275

NORMAL OPERATIONS

EMERGENCY PROCEDURES (REVERSE)

Updated October 12th, 2022

RUNWAY ENTRY

Time for Lights, Camera, Action, Traffic

Timer		START
Lights	LANDING & STROB	ES ON
Transponder	VERIFY COI	DE/ALT
Mixture		RICH
Carb Heat		COLE
Traffic	. VERIFY RWY/APCH	CLEAF
Runway Number	CO	NFIRM
Heading/Compa	ss MATCHE	S RW

NORMAL TAKEOFF

Flaps	UP
Throttle	FULL
Engine Instruments .	"GREEN"
Engine RPM	. AT LEAST "2200 RPM"
Airspeed	"ALIVE"
Rotate	55 KIAS "ROTATE"
Climb	75 KIAS

SHORT FIELD TAKEOFF

Flaps	10°
Brakes	HOLD
Throttle	FULL
Engine Instruments	. "GREEN"
Engine RPM AT LEAST "2"	200 RPM"
Brakes	RELEASE
Airspeed	"ALIVE"
Rotate 50 KIAS	"ROTATE"
Pitch	15°
Climb	57 KIAS
Obstacle	
Flaps	UP
Climb	

SOFT FIELD TAKEOFF

Flaps	10
Brakes	NON
Control Wheel	FULL AF
Throttle SLOWLY ADV	ANCE FUL
Engine Instruments	"GREEN
Engine RPM AT LEAST '	'2200 RPM
Airspeed	"ALIVE
Main Gear	LIFT OF
Pitch	NOSE OVE
Ground EffectMAINTAIN	TO 60 KIAS
Flaps	UI
Climb	75 KIA

AFTER TAKEOFF (400' AGL)

Airspeed	85 KIAS
Flaps	UP
Engine Instruments	GREEN
Landing/Taxi Light	AS REQ'D

CRUISE

Throttle	2300-2400 RPM
Trim	AS REQUIRED
Engine Instruments	CHECK
Mixture	LEAN AS REQUIRED
FGT 50°F/30	0°C Rich of Peak

PRE-MANEUVER CHECKS

Clear the area	CHEC
HeadingESTABL	ISHED & BUGGED
AltitudeESTABL	ISHED & BUGGED
Place to land	CHEC
Set Power & Config	CHEC
 Fuel Selector 	BOTH
 Mixture 	RICH
• Lights	O

DESCENT / APPROACH

ATIS/AWOS	CHECK
Altimeters	SET
Top G5, St	andby
Clearance	OBTAIN
Radios/GPS	TUNE/IDENT
Approach Briefing	COMPLETE
Fuel Selector	BOTH
Lights	AS REQUIRED
Mixture	. SLIGHTLY ENRICH

PRE-LANDING

BOTH
RICH
ON BELOW 2000 RPM
AS REQUIRED
AS REQUIRED
FASTENED

NORMAL LANDING

Flaps	30° (FULL)
Airspeed	65 KIAS
Touch Down	. MAIN WHEELS FIRST
Brakes	. MINIMUM REQUIRED

SHORT FIELD LANDING

Fiaps	30° (FULL)
Airspeed	60 KIAS
Touch Down	MAIN WHEELS FIRST
Flaps	UP
Brakes	MAXIMUM
Control Wheel	FULL AFT

SOFT FIELD LANDING

Flaps	30° (FULL)
Airspeed	65 KIAS
Carb Heat	COLD ON SHORT FINAL
Touch Down	NOSE HIGH WITH PWR
Brakes	NONE
Control Wheel	FULL AFT

AFTER LANDING

Flaps	UP
Mixture	LEAN 1"
Carb Heat	COLD
Elevator Trim	SET FOR TAKEOFF
Lights	LANDING / STROBES OFF
Radios	. CONTACT GND / CALL CLR
Flight Plan	CLOSE IF REQ'D

SHUTDOWN / SECURE

Brakes	AS REQUIRED
Avionics Master	OFF
Mixture	IDLE/CUTOFF
Wait for engine	to shut off
Magnetos	OFF / REMOVE KEY
Master Switch	OFF
Fuel Selector	LEFT OR RIGHT
Control Wheel Lock	INSTALLED
Aircraft	TIE DOWN
Aircraft Log	COMPLETE
Cowl Plugs/Covers	INSTALLED
Windshield	
Chocks	AS REQ'D

SPEEDS

OI LLD	9	
V _R	55	KIAS
V _X	62	KIAS
V _Y	78	KIAS
V _{FE}	86	KIAS
V _A (2300 lb)	97	KIAS
V _S	47	KIAS
V _{SO}	41	KIAS
Pattern	95	KIAS
Abeam Numbers	85	KIAS
Base	75	KIAS
Final		KIAS
V _G	65	KIAS
Glide distance	.1.5 NM / 100	0 FT.

FREQUENCIES

Potomac Approach Potomac (SFRA West)	
KHEF (Manassas) ATIS	33.1
KHWY (Warrenton) 120 AWOS	
KCJR (Culpeper) AWOS 11 CTAF 12	9.32 3.07

CSN (Casanova VORTAC)	
CSN	116.30

ENCINE FIDE I	DURING START	ENGINE FIRE I	NELICHT	ADALIDO	S SYSTEM F	AILLIDE
	CONTINUE	Mixture				
	CONTINUE	Fuel Selector		Check ADAHRS		
If Engine Starts		Master Switch		Opens again,	do not reset and	d use standby
	1700 RPM FOR 20 SEC	Cabin Heat and Air			instruments.	
EngineSHU1	TDOWN AND INSPECT	AirspeedINC		LIGHTS	IGNALS (G	ROUND)
If Engine Fails To Start		Forced Landing		Cleared for Take		
	FULL OPEN			Cleared to Taxi		
	IDLE CUTOFF	CABIN F	IRE	Stop		
	CONTINUE	Master Switch		Taxi clear of run		
	OFF	Air Vents and Windows	CLOSED	Return to airpor		
Fire Extinguisher	OBTAIN	Fire Extinguisher	ACTIVATE			
	ER AND IGNITION OFF	Cabin		General Warnin	g, Exercise Ca	ution
Aircraft	EVACUATE	Land AS S	OON AS POSSIBLE	ALT	ERNATING RE	D AND GREEN
Fire	EXTINGUISH					
Damage	INSPECT	WING F			SIGNALS (F	
		Nav Lights		Cleared to Land		
	URE PRIOR TO	Pitot Heat		Return to Land		
TAK		Strobe Lights	OFF	Give way and C		
	IDLE	Side slip to keep flames aw	ay from the fuel tank	Do not land		
	APPLY	and land as soon as possib	ole. Only use flaps as	General Warnin	O.	
	RETRACT	required for final approa	ch and touchdown	ALT	ERNATING RE	D AND GREEN
	IDLE CUTOFF	OVED VOLTA	OF LIGHT	DOM	VED CETTI	100
3	OFF	OVER VOLTA		POV	VER SETTIN	165
	IF ABLE	Master Switch (ALT Only)		Power setting	gs to be used as	a guide only
Master Switch	OFF	Electrical LoadRED		Carb Heat sho	ould be used bel	ow 2000RPM
ENCINE FAILUE	E IMMEDIATELY	Avionics		Climb		FULL POWER
	RE IMMEDIATELY	Pitot Heat		Cruise		
AFTER 1		All Lights Comm 1 and Nav 1		Descent		2100 RPM
	70 KIAS	Land AS SO		Precision Appro	ach	1800 RPM
	65 KIAS	Lanu A3 30	ON AS PRACTICAL	Non-Precision	Approach	1500 RPM
	SELECT	AMMETER DIS	SCHARGE	Pattern		2100 RPM
	DLE CUTOFF	(ABOVE 170		Abeam Number	rs	1500 RPM
	OFF	Master (ALT Only)				
	AS REQUIRED	Alternator Circuit Breaker			ted items are im	
	IF ABLE	Master Switch		items that sho	uld be committe	ed to memory.
	OFF	Ammeter				
	UNLATCH	BATT Volts		PIVO	TAL ALTIT	UDE
		Ammeter CHE	ECK CHARGING (+)			Approximate
ENGINE FAIL	URE DURING	If Amp Discharge Remain	S	Groundspeed		Pivotal
FLI	GHT	Master Switch (ALT Only)	OFF			Altitude
	AIRSPEED	Electrical LoadRED	UCE AS FOLLOWS	Knots	MPH	
3 turns nose-up trir		Avionics Master	OFF	87	100	670
	ST PLACE TO LAND	Pitot Heat		91	105	735
		All Lights		96	110	810
	CHECKLIST	Comm 1 and Nav 1		100	115	885
	BOTH	Land AS SO	ON AS PRACTICAL			1
Mixture		ELECTRICAL EIR	E IN ELICUT	104	120	960
	ADJUST	ELECTRICAL FIR		109	125	1050
Carb Heat		Master Switch Vents/Cabin Air/Heat		113	130	1130
0	L/R/BOTH	Fire Extinguisher				
Primer	IN AND LOCKED	Avionics Master Switch				
D	DECLARE	All Other Switches				
	ON 121.5	Cabin				
Squawk		Master Switch				
Е	PREPARE TO EXIT	Circuit Breakers				
	OFF	Avionics Master				
Mixture		Electrical Equip				
Mags						
	OFF WHEN ABLE					
	UNLATCH					
	COMPLETE					
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1						



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CESSNA 172P KNOTS G5S, G1275 PREFLIGHT CHECKLIST

Updated October 12th, 2022

COCKPIT SAFETY CHECK Magnetos OFF, KEY OUT Mixture IDLE CUTOFF Throttle CLOSED

roft Cover

Aircraft Cover	REMOVE
Cowl Plugs	REMOVE
Pitot Tube Cover	REMOVE
Chocks	REMOVE
Engine Preheat	BELOW 0 °C/32 °F
Wings	CHECK FOR ICE/FROST

CABII	
Keys	PLACE ON DASH
Documents	S.P.A.(R.)R.O.W.
Supplements	CHECK
Placards	
Airworthiness Cert	VISIBLE
Radio Station Lic	INT'L FLIGHT
Registration	VALID
P.O.H/A.F.M	
W&B Info	IN BINDER
Fire Extinguisher	GREEN/SECURE
Control Wheel Lock	REMOVE
Ignition Switch	OFF
Mixture	IDLE CUTOFF
Throttle	
Carburetor heat	
Avionics Master Switch	OFF
Master Switch	
Flaps	
Top G5	
Hobbs Meter	
Located on Engin	
Fuel Quantity	
Alternate Static Source	
Fuel Selector	
Elevator Trim	
Pitot Heat	
Exterior Lights	
Master Switch	OFF

LEFT W	ING
Door Pins	INSPECT
Cabin Vents and Inlets	INSPECT
Leading Edge	
Wing Tie Down	REMOVE
Main Gear/Tire/Brakes	
Pitot TubeC	HECK UNBLOCKED
Stall HornC	
Fuel VentC	HECK UNBLOCKED
Wing Tip/Nav Lights	INSPECT
Left Aileron	INSPECT
Hinges (x3)	
Weights	INSPECT
Static Wicks (x2)	
Flaps	INSPECT
Rod	INSPECT

EMPENNAGE Baggage DoorLOCKED Skin and RivetsINSPECT Vertical StabilizerINSPECT Left Horizontal StabilizerINSPECT Left ElevatorINSPECT Weight..... SECURE Hinges..... SECURE Cables..... SECURE Static Wicks.....SECURE (X2) Rudder INSPECT Hinges..... SECURE Cables...... SECURE Static Wicks.....SECURE (X2) Tail Tie DownREMOVE Right ElevatorINSPECT Cables...... SECURE Trim Tab.....INSPECT Hinges..... SECURE Weight..... SECURE Static Wicks.....SECURE (X2) Right Horizontal StabilizerINSPECT Antennas INSPECT UndersideINSPECT

RIGHT WI	NG
Door Pins	INSPECT
Cabin Vents and Inlets	INSPECT
Leading Edge	INSPECT
Wing Tie Down	REMOVE
Main Gear/Tire/Brakes	INSPECT
Wing Tip/Nav Lights	INSPECT
Right Aileron	INSPECT
Hinges (x3)	. BOLTS SECURE
Weights	INSPECT
Static Wicks (x2)	INSPECT
Flaps	INSPECT
Rod	INSPECT

NOSE AND COWLING	;
Windshield	. CLEAN
Oil Level	CHECK
Cold: ≥ 6 Qts, Warm: ≥ 5 1/2 Q	ts
\leq 10 hrs to mx: \geq 5 Qts	
Do Not Over Tighten Oil Cap	
Oil Access Door	
Engine Cowling	SECURE
No Consecutive Fasteners Missi	ng
Prop/Spinner	INSPECT
No Cracks, No Screws Missing	1
Cowling Inlets	CHECK
Alternator BeltCHECK 7	TENSION
Air Filter	CHECK
Exhaust CHECK FOR	CRACKS
Nose Gear/Tire/Strut	INSPECT
Static PortCHECK UNB	

FINAL (CHECK
Fuel Sumps	DRAIN
Left Wing (1)	DRAIN
Right Wing (1)	DRAIN
Nose (1)	PULL & DRAIN
Fuel Quantity	VISUAL CHECK
Fuel Caps	
Last 360° Walk Around	I COMPLETE
Chocks	CONFIRM REMOVED
Tie Downs	CONFIRM REMOVED
Cowl Plugs	CONFIRM REMOVED
Pitot Cover	CONFIRM REMOVED
Preflight	COMPLETE

PERSONAL CHECKLIST

PAVE to perceive hazards	
P ilot	CHECK
Experience/recency	CHECK
Physical conditionSEE	IMSAFE
Aircraft	.CHECK
Fuel reserves	. CHECK
Performance	.CHECK
 Equipment 	CHECK
EnVironment	CHECK
 Weather 	. CHECK
External Pressures	.CHECK
IMSAFE to check pilot phys. condition	on
Injury	CHECK
Medication	

Stress CHECK
Alcohol CHECK
Fatigue CHECK
Emotion CHECK

PASSENGER BRIEF	TAXI	RUNWAY ENTRY
	Taxi AreaCLEAR	Time for Lights, Camera, Action, Traffic
Fastened during taxi, takeoff, landing.		Timer START
Recommended always.	Brakes CHECK	
A – Air ventsUSAGE	Check for dip in Attitude Indicator	Lights LANDING & STROBES ON
Sick? Loosen clothing, use air, look at point on	ControlsPOSITION FOR WIND	TransponderVERIFY CODE/ALT
horizon. Location of sick sacks.	Flight Instruments CHECK IN TURNS	Mixture RICH
F – Fire extinguisherUSAGE	ENCINE DUNUD	Carb Heat
P – Pull pin	ENGINE RUNUP	TrafficVERIFY RWY/APCH CLEAR
A – Aim at base of fire	AircraftPOSITION INTO WIND	Runway NumberCONFIRM
S – Squeeze	Parking BrakeSET	Heading/Compass MATCHES RWY
S – Squeeze S – Sweep	Seats and Seat BeltsSECURE	NODIAL TAKEOFF
E – ExitsLOCATION/USAGE	Cabin DoorsCLOSED AND LOCKED	NORMAL TAKEOFF
-	Flight ControlsFREE & CORRECT	FlapsUP
T - Traffic EXPLAIN	Flight InstrumentsCHECK	Throttle FULL
Clock Position / Who's looking Y - Yak (Sterile Cockpit)	Standby Flight InstrumentsCHECK	
No extraneous conversation under cruise or	Fuel QuantityCHECK	
10,000' MSL (whichever is lower)	Fuel Selector Valve RECHECK BOTH	Airspeed"ALIVE"
Y – Yoke	Elevator Trim SET FOR TAKEOFF	Rotate 55 KIAS "ROTATE"
3 way positive exchange of flight controls.	Throttle1700 RPM	Climb 75 KIAS
Stay clear of active flight controls.	Magnetos R, B, L, B	
Y – Any questions?	Drop less than 150 and 50 between mags	SHORT FIELD TAKEOFF
9 4	Engine Instruments GREEN	Flaps 10°
BEFORE START	Voltmeter CHECK (~28V)	Brakes HOLD
PreflightCOMPLETE	Carb HeatCHECK RPM DROP	Throttle FULL
Passenger Briefing COMPLETE	Throttle CHECK IDLE	Engine Instruments "GREEN"
Seats and BeltsADJUSTED/LOCKED	Throttle	Engine RPM AT LEAST "2200 RPM"
	Throttle Friction Lock ADJUST	Brakes RELEASE
Fuel Selector Valve	Radios SET	Airspeed
Avionics Master SwitchOFF	GPS Flight PlanVERIFY	·
Brakes TEST AND SET	2nd Radio	Rotate
Test both sides and look for drips.		
	XPDRVERIFY CODE/ALT	
BeaconON	9 1	
Nav LightsON AT NIGHT/IFR	Cabin WindowsCLOSED & LOCKED	
ENGINE START	Brakes RELEASE	Climb/5 KIAS
ENGINE START MixtureRICH	TAKEOFF BRIEF	
	TAKEOFF BRIEF	SOFT FIELD TAKEOFF
Mixture RICH Carb Heat COLD	TAKEOFF BRIEF Conditions	SOFT FIELD TAKEOFF Flaps
Mixture	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.)	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE
Mixture	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT
Mixture	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc.	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL
Mixture	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN"
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM"
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON Fuel Quantity SET	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length Return/Emergency Procedures	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM" Airspeed "ALIVE"
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON Fuel Quantity SET Throttle 1/4"	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length Return/Emergency Procedures • Before Rotation	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM" Airspeed "ALIVE" Main Gear LIFT OFF
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON Fuel Quantity SET Throttle 1/4" Prop Area CLEAR	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length Return/Emergency Procedures • Before Rotation • After Rotation w/ Sufficient Rwy	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM" Airspeed "ALIVE" Main Gear LIFT OFF Pitch NOSE OVER
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON Fuel Quantity SET Throttle 1/4" Prop Area CLEAR Ignition Switch ENGAGE	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length Return/Emergency Procedures • Before Rotation • After Rotation w/ Sufficient Rwy • Below 1000' AGL	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM" Airspeed "ALIVE" Main Gear LIFT OFF Pitch NOSE OVER Ground Effect MAINTAIN TO 60 KIAS
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON Fuel Quantity SET Throttle 1/4" Prop Area CLEAR Ignition Switch ENGAGE Do NOT Crank for > 10 secs. Allow 20 secs	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length Return/Emergency Procedures Before Rotation After Rotation w/ Sufficient Rwy Below 1000' AGL Above 1000' AGL	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM" Airspeed "ALIVE" Main Gear LIFT OFF Pitch NOSE OVER Ground Effect MAINTAIN TO 60 KIAS Flaps UP
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON Fuel Quantity SET Throttle 1/4" Prop Area CLEAR Ignition Switch ENGAGE Do NOT Crank for > 10 secs. Allow 20 secs between start attempts!	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length Return/Emergency Procedures Before Rotation After Rotation w/ Sufficient Rwy Below 1000' AGL Above 1000' AGL Establish PIC in emergency	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM" Airspeed "ALIVE" Main Gear LIFT OFF Pitch NOSE OVER Ground Effect MAINTAIN TO 60 KIAS
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON Fuel Quantity SET Throttle 1/4" Prop Area CLEAR Ignition Switch ENGAGE Do NOT Crank for > 10 secs. Allow 20 secs between start attempts! Throttle 800 RPM	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length Return/Emergency Procedures Before Rotation After Rotation w/ Sufficient Rwy Below 1000' AGL Above 1000' AGL Establish PIC in emergency Takeoff (Brief)	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM" Airspeed "ALIVE" Main Gear LIFT OFF Pitch NOSE OVER Ground Effect MAINTAIN TO 60 KIAS Flaps UP
Mixture RICH Carb Heat COLD Prime Engine for Cold Start or as req'd Throttle / Primer PRIME Try Throttle First, Then Use Primer Primer IN & LOCKED Master Switch ON Fuel Quantity SET Throttle 1/4" Prop Area CLEAR Ignition Switch ENGAGE Do NOT Crank for > 10 secs. Allow 20 secs between start attempts! Throttle 800 RPM Oil Pres ABOVE RED LINE (30 SEC)	TAKEOFF BRIEF Conditions Weather (Wind, Ceilings, Etc.) Hazards Weather, Terrain, Wildlife, Traffic, etc. Runway Number (L/R), Length Return/Emergency Procedures Before Rotation After Rotation w/ Sufficient Rwy Below 1000' AGL Above 1000' AGL Establish PIC in emergency Takeoff (Brief) Normal, Short, Soft?	SOFT FIELD TAKEOFF Flaps 10° Brakes NONE Control Wheel FULL AFT Throttle SLOWLY ADVANCE FULL Engine Instruments "GREEN" Engine RPM AT LEAST "2200 RPM" Airspeed "ALIVE" Main Gear LIFT OFF Pitch NOSE OVER Ground Effect MAINTAIN TO 60 KIAS Flaps UP
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