	CKIISIS allu IIII
Preflight	
F	luids
Magnetos	OFF
Fuel quantity	CHECK VISUALLY
Fuel sumps	DRAIN
Left wing, right win for contamination.	ng, fuel strainer. Inspect
Fuel filler caps	SECURE
Engine oil level	CHECK
Engine on lever	Minimum 6 quarts
C	abin
Pitot cover	REMOVE
POH	VERIFY PRESENT
Master	ON
Flaps	EXTEND
Fuel gauges	CHECK QUANTITY
Lights	CHECK
Tach time	RECORD
Pitot heat	TEST
Master	OFF
Fire extinguisher	SECURE
Control lock	REMOVE
	ennage
Rudder gust lock	REMOVE
Control surfaces	CHECK
Freedom of	movement and security
	ight
Main wheel tire	CHECK INFLATION
Aileron	CHECK
Freedom of	movement and security
	lose
Propeller, spinner	CHECK
1 , 1	For nicks and security
Landing light	CHECK CLEAR
Air filter	CHECK CLEAR
Nosewheel & strut	CHECK INFLATED
Static source	CHECK CLEAR
I	Left
Main wheel tire	CHECK INFLATION
Fuel tank vent	CHECK CLEAR
Pitot tube	CHECK CLEAR
Stall warning	TEST
Aileron	CHECK
Freedom of	movement and security
	inal
FlightCircle	DISPATCH
Baggage door	LOCK
Chocks	REMOVE
Tie-downs	REMOVE

Securing	
Control lock	INSTALL
Tie-downs, chocks	APPLY
Vents, windows	CLOSE
Pitot cover	APPLY
Tach, Hobbs times	RECORD
FlightCircle	CHECK IN
Doors	LOCK

Start	
Before Star	t
Preflight inspection	COMPLETE
Passenger briefing	COMPLETE
Brakes	TEST and SET
Seats, belts, harnesses	SECURE
Fuel valve	BOTH
Radios, electrical equipment	
Circuit breakers	CHECK IN
Beacon switch	ON
Engine Star	t
Mixture	RICH
Carburetor heat	COLD
Prime	AS REQUIRED
Throttle	OPEN 1/8 INCH
Master	ON
Propeller area	CLEAR
Ignition switch	START
Release when engine starts	
Oil pressure	CHECK
If no pressure in 30 seconds, shutdown	
Mixture	GROUND LEAN
Before Taxi	
Avionics	ON
Headset	ON
Flaps	RETRACT
Weather	OBTAIN
Altimeter	SET
EFB Setup	AS DESIRED
Navigation, landing lights	ON

Before Takeoff	
Radios	SET
Instruments	SET
Takeoff briefing	COMPLETE
Beacon, navigation, la	nding lights ON
Carburetor heat	AS REQUIRED
Flaps	0-10°
Trim	TAKEOFF
Fuel valve	BOTH
Fuel quantity	CHECK
Mixture	RICH
	Below 3000 feet

Run-up	
Instruments	CHECK and SET
VOR Check	IF NEEDED
Brakes	SET
Doors and windows	CLOSED, LOCKED
Flight controls	FREE and CORRECT
Fuel valve	BOTH
Mixture	RICH
	Below 3000 feet
Throttle	1700 RPM
Magnetos	CHECK
Max drop 125 I	RPM, max diff. 50 RPM
Engine gauges, amme	eter CHECK
Vacuum gauge	CHECK
Carburetor heat	TEST
Idle	TEST
Mixture	GROUND LEAN
Throttle friction	ADJUST

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## **Emergency Checklists**

<b>Engine Failure During Takeoff Run</b>	
Throttle	IDLE
Brakes	APPLY
Flaps	RETRACT
Mixture	CUT-OFF
Magnetos	OFF

Engine Failure Shortly After Takeoff		
Flaps up: 65 KIAS		
Flaps down: 60 KIAS		
CUT-OFF		
OFF		
OFF		
AS REQUIRED		
OFF		

Engine Failure During Flight		
Airspeed		65 KIAS
Carburetor	heat	ON
Fuel valve		BOTH
Mixture		RICH
Magnetos	BOTH (or START i	
Primer	IN	and LOCKED

Forced Landing Without Engine Power	
Airspeed	Flaps up: 65 KIAS
	Flaps down: 60 KIAS
Mixture	CUT-OFF
Fuel valve	OFF
Magnetos	OFF
Flaps	AS REQUIRED
	40° recommended
Master	OFF
Doors UNLATCH	BEFORE TOUCHDOWN
Touchdown	SLIGHTLY TAIL LOW
Brakes	APPLY HEAVILY

Precautionary Lan	ding
Flaps	20°
Airspeed	60 KIAS
Selected field	FLY OVER
Note terrain/obstructions. Retract flaps	
upon reaching a	a safe altitude and airspeed.
Radios, electrical sv	vitches OFF
Flaps	40° (on final approach)
Airspeed	60 KIAS
Master	OFF
Doors UNLATCH	BEFORE TOUCHDOWN
Touchdown	SLIGHTLY TAIL LOW
Magnetos	OFF
Brakes	APPLY HEAVILY

Ditching	
Radio	MAYDAY on 121.5 MHz
	Give location, intentions
Heavy objects	SECURE or JETTISON
Flaps	20°-40°
Power 300 FT/M	IN DESCENT AT 55 KIAS
If no power ava	ilable, approach flaps up 65
KIAS or flaps 1	0° 60 KIAS
Strong wind, heavy	seas:
LAND INTO W	IND
Light wind, heavy s	swells:
LAND PARALL	EL TO SWELLS
Doors	UNLATCH
Touchdown	LEVEL ATTITUDE
at established rate of descent	
Face CUSHI	ON at touchdown with coat
Airplane	EVACUATE
Life vests/raft	INFLATE

<b>Engine Fire During Start On Ground</b>	
Cranking	CONTINUE
If engine starts:	
Power	1700 RPM for a few minutes
Engine	SHUTDOWN
If engine fails to	start:
Throttle	FULL OPEN
Mixture	CUT-OFF
Cranking	CONTINUE for 2-3 minutes
Fire extinguisl	ner OBTAIN
Master	OFF
Magnetos	OFF
Fuel valve	OFF
Fire	EXTINGUISH
Using fire extinguisher, seat cushion, wool	
blanket, or dirt. If practical try to remove air	
filter if it is ablaze.)	
Both cases: inspect and repair damage before conducting another flight.	

Engine Fire in Flight		
Mixture	CUT-OFF	
Fuel valve	OFF	
Master	OFF	
Cabin heat & air	OFF	
(except over	erhead vents)	
Airspeed	100 KIAS	
If fire is not extinguished, increase glide speed		
to find an airspeed which will provide an		
incombustible mixture		
Forced Landing Without Engine	EXECUTE	
Power checklist		

## **Emergency Checklists**

Electrical Fire in Flight	
Master	OFF
All other switches (except magn	netos) OFF
Vents/cabin air/heat	CLOSE
Fire extinguisher	USE
If fire appears out and electrical	power
necessary to continue flight:	
Master	ON
Circuit breakers	CHECK
(do not reset fau	lty circuit)
Radio/electrical switches	ON
One at a time with delay after	each until
short circuit is localized	
Vents/cabin air/heat	OPEN
(when fire is completely ext	inguished)

Cabin Fire	
Master	OFF
Vents/cabin air/heat	CLOSED
	(to avoid drafts)
Fire extinguisher	USE
WARNING: After discharging	
extinguisher within a closed cabin,	
ventilate cabin	
Land ASAP, inspect for	damage

Wing Fire	
Nav lights	OFF
Pitot heat	OFF
NOTE: Sideslip to keep flames away	,
from fuel tanks and cabin. Land ASA	P
	Wing Fire Nav lights Pitot heat NOTE: Sideslip to keep flames away from fuel tanks and cabin. Land ASA

using flaps only as required.

Inaaventent Icin	ig Elicounter
Pitot heat	ON
Turn back or char	nge altitude to obtain an
OAT less conduc	ive to icing.
Cabin heat	FULL ON
Defroster	OPEN
Cabin air	ADJUST
Maximize o	defroster heat and airflow
Throttle	OPEN
Carburetor and ai	r filter icing MONITOR
Apply carb heat	as required, lean mixture
for maximum R	PM if used continuously
Land	NEAREST AIRPORT
With very	rapid ice build-up, select
suitable of	ff-airport landing site
With $\geq 1/4$ inch is	ce on the leading edges,
prepare for signif	icantly higher stall speed
Flaps	LEAVE RETRACTED
Open left window	v and scrape ice from
	cessary for visibility
Forward slip if ne	ecessary for visibility
Approach speed	65-75 KIAS
Depending	on level of accumulation
Landing	Perform in level attitude

Static Source B	llockage	
Alternate static	source valve	PULL ON
Airspeed	Use cali	bration table
	in D(	OH section 5

Landing With a Flat Main Tire		
Approach	NORMAL	
Touchdown	GOOD TIRE FIRST	
Hold airplane off flat tire as long as		
possible		

Over-Voltage Light Illuminates		
Master	OFF (both sides)	
Master	ON	
If over-voltage l	ight illuminates again:	
Flight	TERMINATE ASAP	

Ammeter Shows Discharge	
Alternator	OFF
Nonessential electrical equipment	OFF
Flight TERMINATE as soon as pra	actical