	Chiists and
Preflight	
Flui	ids
Magnetos	OFF
Fuel quantity	CHECK VISUALLY
Fuel sumps	DRAIN
	wing, fuel strainer.
Inspect for con	
Fuel filler caps	SECURE
Engine oil level	CHECK
	Minimum 6 quarts
Cal	
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
Emper	
Rudder gust lock	REMOVE
Control surfaces	CHECK
Rig	rement and security
Main wheel tire	CHECK INFLATION
Aileron	CHECK
1	rement and security
No	
Propeller, spinner	CHECK
	r nicks and security
Landing light	CHECK CLEAR
Air filter	CHECK CLEAR
Nosewheel & strut	
Static source	CHECK CLEAR
Le	
Main wheel tire	CHECK INFLATION
Fuel tank vent	CHECK CLEAR
Pitot tube	CHECK CLEAR
Stall warning	TEST
Aileron	CHECK
	rement and security
Fir	
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

Operating Checklists

Start	
Before Star	t
Preflight inspection	COMPLETE
Passenger briefing	COMPLETE
Brakes -	TEST and SET
Seats, belts, harnesses	SECURE
Fuel valve	вотн
Radios, electrical equipm	nent OFF
Circuit breakers	CHECK IN
Beacon switch	ON
Engine Star	rt
Mixture	RICH
Carburetor heat	COLD
	AS REQUIRED
	PEN 1/8 INCH
Master	ON
Propeller area	CLEAR
Ignition switch	START
	engine starts
Oil pressure	CHECK
If no pressure i shutdown	in 30 seconds,
Mixture G	ROUND LEAN
Before Tax	i
Avionics	ON
Headset	ON
Flaps	RETRACT
Weather	OBTAIN
Altimeter	SET
EFB Setup	AS DESIRED
Navigation, landing lights	s ON

Run-up	
Instruments	CHECK and SET
VOR Check	IF NEEDED
Brakes	SET
	ws CLOSED, LOCKED
Flight controls	FREE and CORRECT
Fuel valve	вотн
Mixture	RICH
	Below 3000 feet
Throttle	1700 RPM
Magnetos	CHECK
Max drop 125 F	RPM, max diff. 50 RPM
Engine gauges, a	ammeter CHECK
Vacuum gauge	CHECK
Carburetor heat	TEST
ldle	TEST
Mixture	GROUND LEAN
Throttle friction	ADJUST

SET
SET
COMPLETE
nding lights ON
AS REQUIRED
0-10°
TAKEOFF
BOTH
CHECK
RICH
Below 3000 feet

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Emergency Checklists

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

Engine Failure Shortly After Takeoff	
Airspeed	Flaps up: 65 KIAS
	Flaps down: 60 KIAS
Mixture	CUT-OFF
Fuel valve	OFF
Magnetos	OFF
Flaps	AS REQUIRED
Master	OFF

Engine Failure During Flight	
Airspeed	65 KIAS
Carburetor heat	ON
Fuel valve	вотн
Mixture	RICH
Magnetos	BOTH (or START if prop
	stopped)
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 Land	ding
Flaps	20°
Airspeed	60 KIAS
Selected field	FLY OVER
Note terrain/obstru	ctions. Retract flaps
	fe altitude and airspeed.
Radios, electrical s	witches 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/	MIN DESCENT AT 55 KIAS
If no power avail	able, approach flaps up 65
KIAS or flaps 10°	° 60 KIAS
Strong wind, hear	vy seas:
LAND INTO WII	ND
Light wind, heavy	/ swells:
LAND PARALL	EL TO SWELLS
Doors	UNLATCH
Touchdown	LEVEL ATTITUDE
at e	established rate of descent
Face CUSHIC	ON at touchdown with coat
Airplane	EVACUATE
Life vests/raft	INFLATE

Engine Fire During Start On Ground	
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 extinguis	sher 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 conduct	ing another flight.

Engine Fire in Flight	
Mixture	CUT-OFF
Fuel valve	OFF
Master	OFF
Cabin heat & air	OFF
(excep	ot overhead vents)
Airspeed	100 KIAS
If fire is not extinguished, increase glide	
speed to find an airspe	eed which will
provide an incombusti	ble mixture
Forced Landing Without E	Engine EXECUTE
Power checklist	

Emergency Checklists

Electrical Fire in Flight	
Master	OFF
All other switches (except magnetos)	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 faul	ty 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 exti	nguished)

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

Wing Fire	
Nav lights	OFF
Pitot heat	OFF
NOTE: Sideslip to keep flames av	way
from fuel tanks and cabin, Land	ASAP

using flaps only as required.

inadventent id	ang Encounter
Pitot heat	ON
Turn back or o	hange altitude to obtain
an OAT less co	onducive to icing.
Cabin heat	FULL ON
Defroster	OPEN
Cabin air	ADJUST
Maximize o	defroster heat and airflow
Throttle	OPEN
Carburetor an	d air filter icing MONITOR
Apply ca	rb heat as required, lean
mixture f	or maximum RPM if used
continuo	usly
Land	NEAREST AIRPORT
With very	rapid ice build-up, select
suitable o	off-airport landing site
With ≥ 1/4 inch	n ice on the leading
edges, prepar	e for significantly higher
stall speed	
Flaps	LEAVE RETRACTED
Open left wind	low and scrape ice from
windshield, if necessary for visibility	
Forward slip if necessary for visibility	
Approach spe	ed 65-75 KIAS
Depending	on level of accumulation
Landing	Perform in level attitude

Static Source Blockage

Alternate static source valve PULL ON
Airspeed Use calibration table
in POH 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 light	ht illuminates again:
Flight	TERMINATE ASAP

Ammeter Shows Discharge	
Alternator	OFF
Nonessential electrical equipment	OFF
Flight TERMINATE as soon as practical	ctical