Orouna Che	ckiists aifu ii
Preflight	
	ıids
Magnetos	OFF
Fuel quantity	CHECK VISUALLY
Fuel sumps	DRAIN
	g, fuel strainer. Inspect
for contamination.	s, ruer strumer. mopeet
Fuel filler caps	SECURE
Engine oil level	CHECK
6	Minimum 6 quarts
Ca	lbin
Pitot cover	REMOVE
POH	VERIFY PRESENT
Master	ON
Flaps	EXTEND
	CHECK QUANTITY
Fuel gauges	CHECK QUANTITY CHECK
Lights	RECORD
Tach time	
Pitot heat	TEST
Master	OFF
Fire extinguisher	SECURE
Control lock	REMOVE
	ennage
Rudder gust lock	REMOVE
Control surfaces	CHECK
Freedom of m	ovement and security
Ri	ght
Main wheel tire	CHECK INFLATION
Aileron	CHECK
Freedom of m	ovement and security
No	ose
Propeller, spinner	CHECK
	For nicks and security
Landing light	CHECK CLEAR
Air filter	CHECK CLEAR
Nosewheel & strut	CHECK INFLATED
Static source	CHECK CLEAR
L	eft
Main wheel tire	CHECK INFLATION
Fuel tank vent	CHECK CLEAR
Pitot tube	CHECK CLEAR
Stall warning	TEST
Aileron	CHECK
	novement and security
	nal
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	t OFF
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
	hen engine starts
Oil pressure	CHECK
If no pressure in 30 se	conds, 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, lar	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 RPM, max diff. 50 RPM	
Engine gauges, ammet	ter CHECK
Vacuum gauge	CHECK
Carburetor heat	TEST
Idle	TEST
Mixture	GROUND LEAN
Throttle friction	ADJUST

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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		BOTH
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 B	BEFORE TOUCHDOWN
Touchdown	SLIGHTLY TAIL LOW
Brakes	APPLY HEAVILY

Precautionary Land	ling
Flaps	20°
Airspeed	60 KIAS
Selected field	FLY OVER
Note terrain/obstructions. Retract flaps	
upon reaching a sa	afe altitude and airspeed.
Radios, electrical swit	ches 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	IIN DESCENT AT 55 KIAS
If no power avail	lable, approach flaps up 65
KIAS or flaps 10°	60 KIAS
Strong wind, heavy	seas:
LAND INTO WIND	
Light wind, heavy swells:	
LAND PARALLEL TO SWELLS	
Doors	UNLATCH
Touchdown	LEVEL ATTITUDE
at	established rate of descent
Face CUSHIO	N at touchdown with coat
Airplane	EVACUATE
Life vests/raft	INFLATE

Engine Fire Du	ıring 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 ab	laze.)
Both cases: inspect and repair damage before	
conducting anot	ther flight.

Engine Fire in Flight		
Mixture	CUT-OFF	
Fuel valve	OFF	
Master	OFF	
Cabin heat & air	OFF	
(except ove	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 magnetos)	OFF	
Vents/cabin air/heat	CLOSE	
Fire extinguisher	USE	
If fire appears out and electrical powe	r	
necessary to continue flight:		
Master	ON	
Circuit breakers	CHECK	
(do not reset faulty 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 extin	guished)	

Cabin Tire		
Master	OFF	
Vents/cabin air/heat	CLOSED	
	(to avoid drafts)	
Fire extinguisher	USE	
WARNING: After discharging extinguishe		
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 ASAP using flaps only	
as required.	

Inadventent Icing F	ncounter	
Pitot heat	ON	
Turn back or change altitude to obtain an		
OAT less conducive to	o icing.	
Cabin heat	FULL ON	
Defroster	OPEN	
Cabin air	ADJUST	
Maximize d	efroster heat and airflow	
Throttle	OPEN	
Carburetor and air fil		
Apply carb heat as required, lean mixture for		
maximum RPM if used continuously		
Land	NEAREST AIRPORT	
	build-up, select suitable	
off-airport landing		
With $\geq 1/4$ inch ice on the leading edges,		
prepare for significantly higher stall speed		
Flaps	LEAVE RETRACTED	
Open left window and scrape ice from		
windshield, if necessary for visibility		
Forward slip if necessary for visibility		
Approach speed	65-75 KIAS	
	on level of accumulation	
Landing	Perform in level attitude	

Static Source Bloc	kage
Alternate static sou	rce 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 illuminates again:		
Flight	TERMINATE ASAP	

	Ammete		
	Alternato	r	OFF
١	Nonessen	tial electrical equipment	OFF
	Flight	ractical	