



Before Starting Engine

Outside inspection	completed
Towbar	stowed
Ship's papers	on board
Parking brake	set
Seats	asjust & secured
Safety belts	fastened
Doors	closed & locked
Fuel selector	on
All electrical switches	off
Radios	off
Circuit breakers	in
Master switch	on
Fuel quantity	checked

Starting Engine

Carburetor heat	cold
Mixture	rich
Prime	max 1½ (throttle)
Throttle	± 1 cm.
Propeller area	clear
Beacon light switch	on (if applicable)
Ignition switch	start

After Starting

Oil pressure	check
Starter warning light	off
Throttle	1,000 rpm
Ammeter	check
Flaps	up
Radios	on
Start flight time	notice

During Taxiing

Brakes	check
Gyros	check

Engine Check

Parking brake	set
Throttle	1,000 rpm
Mixture	rich
Carburetor heat	cold
Check behind	clear
Throttle	1,700 rpm
Engine instruments	check
Ammeter	check
Suction	green
Magnetos	max. drop 150 rpm max. diff. 75 rpm
Carburetor heat	check operation
Idling	500 - 700 rpm
Throttle	1,000 rpm
Throttle friction	set

Before Take-off

Primer pump	closed & locked
Ignition	both
Flight controls	free & correct
Trim	set for take-off
Carburetor heat	cold
Mixture	rich
Flaps	as required
Flight instruments	check & set
Engine instruments	check
Radios & Nav. equipment	check & set
Safety belts	fastened
Doors & windows	closed & locked
Smoking	not allowed
Parking brake	off

Normal Take-off (see owners manual)

Throttle	full
Lift nose at	50 kts
Climb	70 kts

After Take-off

Brakes	apply
Flaps	up >200 ft
Throttle	full
Climb speed	± 70 kts

Cruise

Throttle	± 2,300 rpm
Carburetor heat	as required

Before Descent

Mixture	rich
Carburetor heat	as required
Altimeter	set
Fuel selector	on

Downwind Checks

Primer	closed & locked
Ignition	both
Carburetor heat	hot
Throttle	± 2,000 rpm
Mixture	rich
Flaps	10°
Fuel selector	on
Fuel quantity	checked
Engine instruments	check
Brakes	check
Safety belts	fastened
Smoking	not allowed
Speed	70 kts



Baseleg Checks

Throttle	± 1,500 rpm
Flaps	20°
Speed	± 70 kts

Final Checks

Throttle	± 1,500 rpm
Flaps	20° - 40°
Speed	60 - 70 kts

After Landing

Flaps	up
Pitot heat	off
Carburetor heat	cold

After Parking

Parking brake	set
Throttle	1,000 rpm
Radios & Nav. equipment	off
All electric switches	off
Mixture	idle cut off
Ignition	off
Master switch	off
Control lock	install
Time & Tachometer	check

Go Around

Throttle	full
Carburetor heat	cold
Flaps	20° at 65 kts 10° >200 ft flaps up

Touch & Go

Flaps	as required
Throttle	full
Carburetor heat	cold

Emergency Procedures

Engine Fire in Flight

Mixture	idle cut off
Fuel selector	off
Master switch	off
Cabin heat & air vents	off (except overhead)
Airspeed	120 kts

If fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture.

Electrical Fire in Flight

Master switch	off
All electrical switches	off
Radio switches	off
Cabin head & air vents	closed
Fire extinguisher (if available)	active

Fire breaks out & electrical power is necessary for continuance of flight

Master switch	on
Circuit breakers	check for faulty circuit, do NOT reset
Radio & Electrical switches	on one by one to localize the short circuit
Cabin heat & air vents	open if fire is completely extinguished

Refer also the Operations Manual for further details