Icon A5 LSA amphibian

Pre-inspection

- Documents - on board
- Walk around aircraft - complete
- Hull - check for damage or water intrusion
- Hull drain plugs - verify secure
- Water rudders - free and functional
- Landing gear - extended, condition checked
- Chocks and tie-downs - removed
- Pitot and static ports - clear
- Control surfaces - free movement
- Fuel quantity - verified
- Fuel sumps - drained
- Oil quantity - checked

Before engine start

- Seats and seat belts - fastened
- Fuel selector - both / on
- Mixture - rich
- Throttle - cracked 1/4 inch
- Brakes - hold
- Master switch - on
- Beacon - on
- Area - clear, shout 'clear prop'

Engine start

- Magnetos - both / start
- Engine - start
- Oil pressure - rises within 30 seconds
- Throttle - 1000 RPM

After engine start

- Avionics master - on
- Radios - set frequencies
- ATIS / weather - obtain
- Altimeter - set to QNH
- Transponder code - set, mode standby
- Heading bug - set to runway

Before taxi

- Flaps - up
- Doors - closed and latched
- Flight controls - free and correct
- Brakes - check
- Taxi clearance - obtained

Before takeoff

- Throttle - 1700 RPM for run-up
- Magnetos - check L and R, max 175 RPM drop

- Carb heat - check
- Engine instruments - green
- Throttle - idle
- Trim - takeoff position
- Flaps - takeoff position
- Landing and strobe lights - on
- Transponder - ALT
- Departure briefing - complete

Takeoff

- Throttle - smoothly to full
- Engine instruments - green at full power
- Airspeed - alive
- Rotation - at Vr per POH
- Initial climb - Vy

Climb

- Power - climb power
- Airspeed - Vy then cruise climb
- Mixture - lean above 3000 ft DA
- Engine instruments - monitor

Cruise

- Power - cruise setting, 75% typical
- Mixture - lean for cruise
- Engine instruments - monitor
- Fuel quantity - monitor

Descent

- Power - reduced for desired descent
- Mixture - enrich as descending
- ATIS at destination - obtain
- Approach briefing - complete

Before landing

- Landing surface - verify (land or water)
- Landing gear - DOWN for runway, UP for water
- Gear lights - confirm correct configuration
- Water rudders - up before water touchdown
- Fuel selector - fullest tank
- Mixture - rich
- Auxiliary fuel pump - on (if equipped)
- Landing light - on
- Flaps - set per phase

Landing

- Final approach - per POH for land or water
- Land touchdown - main wheels first
- Water touchdown - stick neutral, slight back pressure
- Water rudders - down once on water

- Braking - land only, gentle taxi on water

After landing

- Flaps - up
- Carb heat - cold
- Strobe - off
- Transponder - standby
- Taxi - to parking

Shutdown

- Parking brake - set
- Avionics master - off
- Throttle - idle
- Mixture - idle cutoff
- Magnetos - off after engine stops
- Master switch - off
- Beacon - off
- Control lock - install