

Baumann POH Supplement Emergency Procedures**Landing Gear Malfunction Procedures****Engine Failure during takeoff Run**

Throttle	IDLE
Control Wheel	Full AFT
Mixture	Idle CUTOFF
Ignition Switch	OFF
Master Switch	OFF
Brakes	APPLY (Land only)
Water Rudders	DOWN (Water only)

Engine Failure after Take Off/ During Flight Water

Airspeed	65kts
Flaps	0 until water made
Flaps	upto 30deg as needed
Landing Gear	UP Check Visually
Landing Gear Indicator Lights	Blue
Mixture	Idle Cut-Off
Fuel Valve	OFF
Ignition Switch	OFF
Water rudders	UP
Doors	Unlatch prior to ldg
Touchdown	Nose UP

Engine Failure after Take Off/ During Flight Land

Airspeed	65kts
Flaps	0 until ldg area made
Flaps	p to 30deg as needed
Landing Gear	Down for smooth Terrain, UP for Rough
Landing Gear Indicator Lights	Verify
Mixture	Idle Cut-Off
Fuel Valve	OFF
Ignition Switch	OFF
Water rudders	UP
Doors	Unlatch prior to ldg
Touchdown	Nose UP

Gear fails to Retract or Extend

Batter Switch	ON
Landing Gear Switch	Verify
Gear Circuit Breaker	IN
Gear Indicator Lights	Verify
Gear Position	Check Visually

If gear still in improper position

Landing Gear Switch	Recycle
Landing Gear Motor	Red Light ON
Gear Indicator Lights	Verify
Gear Position	Verify
Airspeed	Minimize for loading

If pump is intermittent but gear not moving

Gear Circuit Breaker	Pull OUT
Landing Gear Switch	As Desired
Hand Pump Selector Valve	Same as Gear Switch
Gear Circuit Breaker	Push IN
Landing Gear Motor	Red Light ON
Gear Indicator Lights	Verify
Gear Position	Verify Visually

Gear is inop or still not in desired position

Gear Circuit Breaker	Pull OUT
Gear Switch	Desired Position
Hand Pump Selector Valve	Desired Position
Hand Pump Gear	up to 120 times
Gear Indicator Lights	Verify
Gear Position	Verify

DO NOT LAND ON WATER UNLESS GEAR IS FULLY RETRACTED!!!!

Landing with gear partially extended

Seat Belts	SECURE
Runway	Smooth or Grass
Gear Switch	UP
Flaps	30deg
Airspeed	55kts
Doors	Unlatch prior to TD
After Touchdown	Secure
Fuel/Mixture	OFF/Cut OFF

Emergency Procedures from Cessna POH

Fires

During Start On Ground

Cranking	Continue
If engine starts	
Power	1700RPM for 2 mins
Engine	Shutdown
If engine fails to start	
Throttle	Full OPEN
Mixture	Idle CUT-OFF
Cranking	Continue
Master	off
Ignition	OFF
Fuel Valve	OFF
Fire Extinguisher	USE

Electrical Fire in Flight

Master	OFF
Aviations Master	OFF
Vents/Cabin Air/Heat	Closed
FireExtinguisher	USE
Cabin Air	Ventilate cabin

Wing Fire

Nav Light	OFF
Strobe	OFF
Pitot Heat	OFF

Static Source Blocked

Alternate Static Source	PULL ON
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LOW-Voltage Light ON

(May normally be on during low RPM ops)

Avionics Switch	OFF
Alternator Circuit Breaker	Verify
Master	OFF (both sides)
Master (after 10 secs)	ON
Low-Voltage Light	Verify
Avionics Switch	ON
If low voltage light illuminates again	
Alternator	OFF
Nonessential Electrials	OFF
Flight	Terminate when Practical

Engine Fire in Flight

Mixture	Idle CUT-OFF
Fuel Selector Valve	OFF
Master	OFF
Cabin Heat and AIR	OFF
Airspeed	100KTS

If fire does not go out, execute Emerg Descent

Throttle	IDLE
Airspeed	99kts
Bank	45deg

If fire goes out, find a place to land using best glide speed

Va	99kts
Best Glide	65kts

Landing Without Elevator Control

Use Trim	65kts
Flaps	20deg
Throttle: Use to adjust glide angle	
During Landing	
Trim	full aft
Throttle: Adjust for horizontal attitude or slight nose up.	
Once landed: Throttle to idle	

Spin

Throttle	Idle
Ailerons	Neutral
Rudder	Opposite of rotation
Elevator: adjust for level flight after spin is complete	

Cessna 172 Amphib Checklist

The Cessna POH supersedes any procedure below. It is the pilot's responsibility to verify the Cessna POH.

Preflight

Control Locks	Remove
Life Vests	Easy Access
Ignition Switch	OFF
Master Switch	ON
Gear Lever	SET
Gear Lights	CHECK
Gear Indicators Float	CHECK
Emerg Hand Pump	OFF
Fuel Guages	Check
Flaps	Down
Nav/Strobe/Beacon	ON
Landing Light	ON
Nav/Strobe/Beacon	CHECK
Landing Light	CHECK
Lights	OFF
Battery Switch	OFF
Fuel Shutoff Valve	ON

Starting Engine

Prime If Cold	2-3 times if cold
Mixture	Rich
Throttle	Pump once,
Throttle	Crack 1/4"
Master Switch	ON
Propellor Area	CLEAR
Ignition Switch	START
Throttle	Adv slowly until start
Oil Pressure	Check
Alternator Switch	ON/CHARGING
Avionics Switch	ON
Transponder	ALT/1200
FLAPS	UP
ATIS	CHECK
Mixture	LEAN for TAXI

Before Starting Engine

Preflight Insp	COMPLETE
Seats and Belts	ADJUST
Fuel Selector	BOTH
Avionics Master	OFF
Emerg Hand Pump	OFF
Brakes	TEST
Circuit Breakers	IN
Water Rudders	SET
Avionics Master	OFF

TAXI

Water Rudders	SET
Turn Coordinator	CHECK
BALL	CHECK

RUNUP

Attitude Indicator	CHECK/SET
DG	SET
Flight Controls	FREE/CORRECT
Flight Instruments	CHECK/SET
Mixture	RICH
Throttle	1700RPM
MAGs	Check
Engine Instruments	CHECK
Ammeter	CHECK
SUCTION	CHECK
Carb Heat	Verify Drop when ON
Throttle	800RPM
Elevator TRIM	Set
Rudder Trim	Set
Flaps	SET
Lights	SET
Transponder	SET

Land Operations

The Cessna POH supersedes any procedure below. It is the pilot's responsibility to verify the Cessna POH.

Takeoff Normal LAND

Flaps	10degs
Throttle	Full
Vr	55kts
Climb (Vx = 65kts)	Vy 70-80kts
Flaps	RETRACT Clear obstacle

Landing Gear **RETRACT**

FINAL

Flaps	20 Deg
Airspeed	65kts
Touchdown	Mains FIRST
Landing Roll	Lower nose gently
Brakes	Minimum REQ

TAKEOFF MAX PERF LAND

FLAPS	30deg
Cowl Flaps	OPEN
Throttle	FULL
Vr	55kts
Vx, Vy	60kts, 70kts
Flaps	RETRACT clear obstacle

Landing Gear **RETRACT**

Climb (Enroute) <80kts, Below Redline

AFTER LANDING

Flaps	UP
Mixture	Lean For Taxi

CRUISE

Power	2500-2550RPM
Mixture	LEAN

Landing Gear **Verify Retracted**

Shutdown

Avionics	OFF
Mixture	LEAN/SHUTOFF
Master	OFF
Mags	OFF
Headsets	STOW
Control Lock	INSTALL

DESCENT

Mixture	RICH
POWER	SET
Gear 4.5miles out	Down
Engine Instruments	CHECK

Maximum Crosswind	10kts
Vx land flaps 20	60-65kts
Vy	75kts
Final Airspeed	65kts Flaps 30deg
Final Airspeed	70kts Flaps 0deg
Va Maneuvering Speed	99kts

BEFORE LANDING - LAND

Water Rudders	UP
GEAR (Lights and visually)	DOWN, Verify
Mixture	RICH
Fuel Selector	BOTH
Seat Belts	ON

Water Operations

Takeoff Normal Water

Trim	Takeoff
Flaps	20deg
Water Rudders, Ldg Gear	UP, UP
Throttle	2000RPM then FULL
Vr	45-50kts
Climb	60-65Vx, 70-75Vy
Flaps	RETRACT Clear obstacle
Landing Gear	VERIFY UP

CRUISE

Power	15-25", 2200-2550
Mixture	LEAN
Landing Gear	Retracted

DESCENT

Mixture	RICH
POWER	SET
Landing Gear	UP
Engine Instruments	CHECK

BEFORE LANDING - Water

Water Rudders	UP
GEAR	UP, Verify Ldg Gear
Mixture	RICH
Fuel Selector	BOTH
Seat Belts	ON
Life Jackets	As Required

Va Maneuverings Speed	99kts
Maximum Crosswind	13kts
Vx water flaps 20	60-65kts
Vy	70-75kts
Final Airspeed	60-65kts Flaps 30deg
Final Airspeed	70kts Flaps 0deg

FINAL

GEAR	UP, Verify Ldg Gear
Flaps	30deg
Water Rudders	UP
Airspeed	60-65kts
Touchdown	1500RPM
Landing Roll	IDLE, Stick Back

Confined Area Landing

Same as normal except

Touchdown	1300RPM
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Glassy Water

FINAL

Gear	UP, Verify Ldg Gear
Flaps	10degs
Water Rudders	UP
Airspeed	55kts
Power	1850RPM
FPM Descent	100-150FPM
Nose	Up for landing
After Touchdown	IDLE, Stick Back

AFTER LANDING

Water Rudders	DOWN
Flaps	UP
Throttle	<1000RPM

Shutdown

Headset, Harness, Hatch	OFF, OFF, OPEN
Avionics	OFF
Mixture	LEAN/SHUTOFF
Master	OFF
Mags	OFF

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Fuel Guages	Check
Flaps	Down
Nav/Strobe/Beacon	ON
Landing Light	ON
Nav/Strobe/Beacon	CHECK
Landing Light	CHECK
Lights	OFF
Battery Switch	OFF
Fuel Shutoff Valve	ON

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Seats and Belts	ADJUST
Fuel Selector	BOTH
Avionics Master	OFF
Emerg Hand Pump	OFF
Brakes	TEST
Circuit Breakers	IN
Water Rudders	SET
Avionics Master	OFF

<u>TAXI</u>	
Water Rudders	SET
Turn Coordinator	CHECK
BALL	CHECK

<u>RUNUP</u>	
Attitude Indicator	CHECK/SET
DG	SET
Flight Controls	FREE/CORRECT
Flight Instruments	CHECK/SET
Mixture	RICH
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Carb Heat	Verify Drop when ON
Throttle	800RPM
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Rudder Trim	Set
Flaps	SET
Lights	SET
Transponder	SET