

N869CP

PREFLIGHT	
WX/WEIGHT/FP/AROW	COMPLETE
TIES, LOCKS, CHOCKS	REMOVED
PARKING BRAKE	SET
IGNITION SWITCH	OFF
MASTER	ON
• FUEL GAUGES	CHECK
• FLAPS	EXTEND
• PITOT HEAT SWITCH	ON/CHECK (IFR)
• STROBES/NAVS/LANDING	ON/CHECK
PITOT/LIGHTS/MASTER	OFF
TRIM	TAKE OFF
FIRE EXTINGUISHER	SECURE/GREEN
FUSELAGE / ANTENNAS	CHECK
EMPENNAGE	MOVEMENT & SECURITY
FLAPS: HINGES,PINS,NUTS	SECURED
AILERONS: HINGES/MOVEMENT	CHECK
WING SURFACES/LEADING EDGE	CHECK
TIRES, LINES, BRAKES, STRUT	CHECK
FUEL	SUPPLY, SUMP, STRAIN
OIL	5-8 QUARTS 8 IF LONG FLIGHT IS PLANNED
PROP CLEAN FROM NICKS & CUTS	CHECK
ENGINE COMPARTMENT	CLEAR
AIR FILTER	CLEAN
STATIC/PITOT/DRAIN	CLEAR
STALL WARNING VENT	CLEAR
STORAGE	LOCKED
HOBBS	LOGGED

PASSENGER BRIEF: SAFEST

Seatbelts, Air vents, Fire extinguisher
Exits, Sick, Talking

PRE-START

SEAT BACK, TRACK & BELTS	LOCK / ON
FUEL SELECTOR/VALVE	ON/BOTH
LIGHTS/ELECTRICAL/RADIOS	OFF
PARKING BRAKES	TEST/SET
CIRCUIT BREAKERS	IN

ENGINE START

MASTER	ON
BEACON	ON
THROTTLE	OPEN 1/4 INCH
MIXTURE	CUT OFF
PRIME	AS REQUIRED

- WARM: SKIP
- COLD: PUMP ON > MIX RICH 3-5 SECs >
- MIX CUTOFF & AUX PUMP OFF

PROP

IGNITION SWITCH

ENGINE ENGAGES

OIL PRESSURE

TIME

PRE-TAXI / TAXI

FLAPS	RETRACTED
MIXTURE	LEAN
RADIO/AVIONICS/TRANSPONDER	ON/ALT
FREQ/ATIS/ALTIMETER (PRIMARY & STBY)	SET
ALTIMETER	WITHIN 75'
LIGHTS	AS REQUIRED
TAXI CALL	RADIO TEST
BRAKES	TEST
INSTRUMENTS	CHECK

RUN UP	
BRAKES	SET/HOLD
LIGHTS	AS REQ'D
CABIN DOORS	LATCHED
INSTRUMENTS	SET
AUTO PILOT	ON / CHECK / DISENGAGE
TRIM	TAKE OFF
FLIGHT CONTROLS	FREE & CORRECT
MIXTURE	RICH
THROTTLE	.1800 RPM
MAGS TEST	DROP <150.....DIFF <50
AMMETER	POSITIVE
OIL PRESS/TEMP	CHECK
FUEL TANKS	CHECK
THROTTLE/LOCK	IDLE CK / 1000
ABORT PLAN READY	
ROLL BEFORE ROTATION:	Any Anomaly
• Throttle Idle, Brake, Exit RWY	
AFTER ROTATION W/USABLE:	Engine Fail/Fire
• Throttle Idle, Land straight ahead	
AFTER ROTATION, W/O USABLE, <1000:	Vg 65 KTS , best spot 30° of nose, communicate, shut down, emg. landing
AFTER ROTATION >1000:	Vg 65 KTS, standard rate turn back to the field
PRE-TAKE OFF	
LIGHTS	AS REQUIRED
INSTRUMENTS	SET
TRANSPONDER	ALT
TIME	NOTED
TRIM	SET FOR T/O
SEAT BELTS, DOORS, WINDOWS	SECURED
BRAKE	RELEASE
TAKE OFF	
FLAPS	0-10°
THROTTLE	(2065-2165 RPM).....FULL OPEN
INSTRUMENTS	GREEN
AIRSPEED	ALIVE
Vr	.55 KTS
CLIMB SPEED	70-80 KTS
ENROUTE	
CLIMB	.70-85 KTS
CRUISE	POWER 2000 to 2400 RPM (< 80%)
ELEVATOR TRIM	ADJUST
MIXTURE	LEAN
PRE-DESCENT / LANDING	
WX	OBTAINED
ALTIMETER	SET
RADIOS	SET
NAV/GPS	TUNE
SEAT BELTS/DOORS/WINDOWS	SECURE
SELECTOR	BOTH
MIXTURE	RICH
LIGHTS	AS REQUIRED
FLAPS EXT	(0-10°) < 110 KTS...(10°-30°) <85 KTS
NORMAL LANDING: FLAPS UP	60-75 KTS
FLAPS DN	60-70 KTS
GO AROUND	
THROTTLE	FULL OPEN
FLAPS	Retract to 20°
CLIMB AIRSPEED	.55 KTS
FLAPS	10° UNTIL OBSTACLES CLEARED
TRIM	AS REQUIRED

OPERATING SPEEDS: KTS		
VNE NEV.EXCEED	163	VG GLIDE
VNO CRUISE	129	VSO STALL DIRTY
VA MANEUVER	99	VS1 STALL CLEAN
VR ROTATE	55	VFE FLAPS EXT 10°
VX BEST ANGLE	57	VFE FLAPS EXT 10°-30°
VY BEST RATE	70-80	SH FIELD LDG 10°
SHORT FLD CLIMB	57	SH FIELD LDG 30°
CLIMB ENROUTE	70-85	NORM.LDG FL.DN
MAX WINDOW OPEN	163	GO AROUND
		XWIND
		15

OPERATING SPEEDS: MPH		
VNE NEV.EXCEED	187	VG GLIDE
VNO CRUISE	148	VSO STALL DIRTY
VA MANEUVER	114	VS1 STALL CLEAN
VR ROTATE	63	VFE FLAPS EXT 10°
VX BEST ANGLE	65	VFE FLAPS EXT 10°-30°
VY BEST RATE	80-92	SH FIELD LDG 10°
SHORT FLD CLIMB	65	SH FIELD LDG 30°
CLIMB ENROUTE	70-85	NORM.LDG FL.DN
MAX WINDOW OPEN	187	GO AROUND
		XWIND
		17

CLEAR RUNWAY	
LIGHTS	AS REQUIRED
MIXTURE	LEAN FOR TAXI
FLAPS	RETRACTED
TRANSPONDER	ALTITUDE
TRIM	SET FOR T/O
SHUTDOWN	
LIGHTS ~ CAMERA ~ ACTION	
AIRCRAFT	OFF
AVIONICS	OFF
MIXTURE, MAGS, MASTER, BEACON	OFF
POST FLIGHT CHECK	
HOBBS/TACH	LOGGED
SQUAWKS	LOGGED
WINDOWS	CLEAN
CONTROL LOCK/BELTS	SET
SHADE	SET
TRASH/ITEMS	REMOVED
TIES, LOCKS, CHALKS	SECURE
DOORS	LOCKED

A/C INFORMATION	
MAX GROSS: 2450	BAGGAGE: 120
FUEL: 100LL BLUE	ELECTRICAL: 14v DC
CAPACITY P/TANK: 28	BATTERY: 12V
USEABLE P/TANK: 26.5	ALTERNATOR: 60 AMP
OIL CAPACITY: 8 QTS	TIRE PRESSURE
OIL WEIGHT: SAE 20W-50	NOSE: 34PSI
VACUUM: 4.5 - 5.5 in. Hg.	MAINS: 28 PSI
	SERVICE CLG: 13,500

EFFECTIVE 03-30-24

1999 CESSNA 172R

POWER LOSS IN FLIGHT / EMERGENCY LANDING

A: AIRSPEED: Vg 65 KTS / 75 MPH

B: BEST SPOT TO LAND WIND DIR/VELOCITY

C: CHECK ENGINE

- FUEL SELECTOR.....BOTH
- MIXTURE.....RICH
- PRIMER.....IN/LOCKED
- MAGS.....CHECK

D: DECLARE EMERGENCY

- TWR, APP, Unicom.....121.5
- SQUAWK.....7700
- E.L.T.....ON

E: ENGINE SECURE

- FUEL SELECTOR.....OFF
- MIXTURE.....FULL CUT-OFF
- THROTTLE.....IDLE CUT-OFF
- FULL FLAPS.....WHEN FIELD ASSURED
- AVIONICS, MASTER, MAGS.....OFF
- SEAT BELTS/HARNESS.....SECURE
- DOORS.....UNLATCH/PROPP
- FORCE LAND.....PROTECT BODY

ENGINE FIRE START UP

NOT STARTED

THROTTLE.....OPEN

MIXTURE / FUEL / SELECTOR.....OFF

MAGS.....TURN 5 SECONDS & SHUTDOWN

STARTED

RUN A FEW MINUTES @ 1700 RPM

- DRAW FLAMES IN CYLINDER

MIXTURE / FUEL / SELECTOR.....OFF

EXTERNAL EXTINGUISHER

ENGINE FIRE IN FLIGHT

MIXTURE.....CUTOFF

FUEL SELECTOR.....OFF

FUEL PUMP.....OFF

SLIP OR EMERGENCY DESCENT.....EXT.FLAMES

MASTER/MAGS/ELECTRICAL.....OFF

CABIN HEAT/AIR.....OFF

IF FIRE NOT EXTINGUISHED.....INCREASE SPEED

FORCED LANDING (W/O POWER).....EXECUTE

ELECTRICAL

MASTER/ELECTRICAL.....OFF

CABIN HEAT/AIR.....OFF

DEFROSTER.....OFF

LAND AS SOON AS PRACTICAL

- IF FIRE OUT, TEST EACH ELECT. DEVICE

ONE AT A TIME

IF FIRE EXTINGUISHED, VENTILATE CABIN

IF NOT EXTINGUISHED: USE EXTINGUISHER,

VENTILATE, EMERGENCY LANDING

ENGINE

FUEL SELECTOR.....OFF

THROTTLE/MIXTURE.....IDLE/CUT-OFF

VENTS.....CLOSE

HEATER.....OFF

RADIO FAILURE

AUDIO PANEL.....ON

CIRCUIT BREAKERS.....IN

VOLUME.....CHECK

ALT. SWITCH.....RECYCLE