

C172 CHECKLIST N2586L

PREFLIGHT			
FLIGHT DECK		NOSE	
Documents	AROWS	Windshield	CLEAN
Control Lock	REMOVE	Cowling	SECURE
Pitot Cover	REMOVE	Oil	6-8 Qts
Ignition Switch	OFF/KEY OUT	Fuel Sump	DRAIN
Master Switch	ON	Nose Strut	CHECK
Fuel Gauges	CHECK	Chock	REMOVE
Fuel Sump	DRAIN	Nose Wheel/Tire	CHECK
Exterior Lights	ON	Air Filter	CHECK
Pitot Heat	ON FOR IFR	Air Intakes	CHECK
Exterior Lights	CHECK	Prop and Spinner	CHECK
Interior Lights	ON FOR NIGHT	Static Port	CHECK
Pitot Heat	CHECK		
Lights/Pitot Heat	OFF	LEFT EXTERIOR	
Flaps	EXTEND	Left Fuel Qty	CHECK
Master Switch	OFF	Pitot Tube	CHECK
Circuit Breakers	CHECK IN	Stall Warning	CHECK
Fuel Selector	BOTH	Left Leading Edge	CHECK
Hobbs Book	LOG TIME	Left Wingtip	CHECK
		Left Aileron	CHECK
EXTERIOR		Left Flap	CHECK
Left Fuselage	CHECK	Left Fuel Sump	CHECK
Tail Tie Down	REMOVE	Left Tie Down	REMOVE
Control Surfaces	CHECK	Left Tire/Brake	CHECK
Trim Tab	CHECK	Chock	REMOVE
Antennas	CHECK	Baggage Door	LOCKED
Right Fuselage	CHECK	Next Page	SET
Right Flaps	CHECK		
Right Aileron	CHECK		
Right Wingtip	CHECK		
Right Leading Edge	CHECK		
Right Tire/Brakes	CHECK		
Chock	REMOVE		
Right Fuel Sump	CHECK		
Right Fuel Qty	CHECK		

N2586L Checklist	
ENGINE START	
“Preflight Inspection”	“COMPLETE”
Passenger Briefing	<ul style="list-style-type: none"> • Headsets • Seat belts/ harnesses • Doors and windows • Air vents • Smoking • Flight controls • Sterile cockpit • Traffic calls • Emerg evac • Discomfort or questions
Charts/Plates/ Paper	IN POSITION
Lights	OFF
Beacon	ON
Nav lights	ON AT SUNSET
Brakes	TEST/SET
Carb Heat	COLD
Mixture	RICH
Prime	AS NEEDED
Prop Area	“CLEAR”
Master Switch	ON
Ignition Switch	ON
Oil Pressure	CHECK
Throttle	800-1000 RPM
Radios/TX/GPS	ON
Flaps	UP
Mixture	LEAN FOR TAXI
ATIS/AWOS	OBTAIN

TAXI	
Taxi Clearance	OBTAIN
Brakes	TEST BOTH SIDES
Heading Indicator	CHECK
Attitude Indicator	CHECK
Turn Coordinator	CHECK
Mag Compass	CHECK
RUN-UP	
Brakes	SET & HOLD
Flight Controls	FREE/ CORRECT
Fuel Selector	BOTH
Elevator Trim	SET
Mixture	RICH
Throttle	1700 RPM
Mag Check	Max 125 drop 50 RPM diff
Carb Heat	CHECK
Engine Instruments	CHECK
Ammeter	CHECK
Compass	CHECK
Throttle	800-1000RPM
Throttle Friction	SET
Primer	LOCKED
Hdg Indicator/ Attitude Indicator	CHECK
Flaps	SET
Comm Radios	SET
Nav Radios	SET
GPS	PROGRAM

N2586L Checklist	
BEFORE TAKEOFF	
Cockpit	ORGANIZED
Charts/Plates	IN POSITION
Transponder	ON/ALT
Mixture	RICH/AS REQ.
Flaps	SET
Time Off	RECORD
Departure Briefing	<ul style="list-style-type: none"> • Seatbelts/harnesses • Runway Number • Direction of departure • Note rotate/climb speeds • Altitude • Noise Abate • Failure on runway • Failure <1000 • Failure >1000 • Questions?
Doors/Windows	CLOSED/LATCHED
Time Off	RECORD
ATC	CALL FOR CLEARANCE
Lights/Strobes	ON CROSSING HOLD BARS
LINE UP	
Heading Indicator	SET TO RW #
Engine Instrum.	CHECK
V-SPEEDS	
V _r (rotation)	62MPH
V _x (best angle)	66MPH
V _y (best rate)	85MPH

CRUISE	
Throttle	SET
Mixture	LEAN > 3000'
Lights	AS NEEDED
Engine Instruments	CHECK
Fuel Tanks	SET above 5000'
Air Vents	SET
DESCENT/ARRIVAL	
Seat Belts	ON/FASTENED
Mixture	ENRICHEN IN DESCENT
Fuel Selector	BOTH
Heading Indicator	SET
A	ATIS SET ALTIMETER
I	INSTRUMENT FLOW
R	RADIOS - SET GPS - SET
B	BRIEF THE ARRIVAL/ APPROACH
A	NOTE ALTITUDES
G	PLAN GO-AROUND PT/ MISSED APPROACH
S	SEAT BELTS
Lights	ON AS NEEDED

N2586L Checklist	
BEFORE LANDING	
Mixture	RICH
Carb Heat	ON BELOW 2100 RPM
Fuel	BOTH
ATC	CONTACT
Final Approach	70-75MPH
AFTER LANDING	
Flaps	UP
Carb Heat	OFF
Lights	AS NEEDED
ATC	CALL FOR CLEARANCE
SECURING AIRCRAFT	
Lights (except beacon)	OFF
Radios/GPS	OFF
Mixture	IDE CUTOFF
Ignition	OFF/KEY OUT
Master Switch	OFF
Fuel Selector	BOTH
Control Lock	INSTALL
Pitot Cover	INSTALL
Chocks	INSTALL
Log End Time	HOBBS AND TACH
V-SPEEDS	
Vr (rotation)	62MPH
Vx (best angle)	66MPH
Vy (best rate)	85MPH

EMERGENCY PROCEDURES 1	
POWER LOSS IN FLIGHT	
A	AIRSPPEED 80MPH
B	BEST LANDING SITE - CHOOSE
C	CHECKLIST <ul style="list-style-type: none"> • FUEL BOTH • MIXTURE RICH • CARB HT ON • MAGS CYCLE
Primer	LOCKED
Radio	“MAYDAY”
Transponder	7700 (if time permits)
If No Start	<ul style="list-style-type: none"> • Fuel off • Mixture lean • Mags off • Flaps as needed • Master off • Seatbelts tight • Doors and windows open
ROUGH RUNNING ENGINE	
Carb Heat	ON
Mixture	ADJUST
Fuel Selector	CHANGE TANKS
Magnetos	CYCLE
Primer	LOCKED
Engine Gauges	CHECK

N2586L

EMERGENCY PROCEDURES 2

ENGINE FIRE IN FLIGHT

Emergency Descent	<ul style="list-style-type: none">• Power idle• Nose down to yellow arc• 30* bank• Mixture lean• Fuel off• Mags off• Master off• Cabin heat off
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ELECTRICAL FIRE IN FLIGHT

Master	OFF
All Elect Switches	OFF
Cabin Heat	OFF
LAND	LAND

ENGINE FIRE DURING START

Starter	CRANK
Mixture	IDLE CUTOFF
Fuel Selector	OFF
EVACUATE	EVACUATE

LOW OIL PRESSURE

LAND	LAND
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