



ANGEL AVIATION®

CE-172-N NORMAL PROCEDURES

BEFORE START

Preflight Inspection	COMPLETE
Passenger Briefing	COMPLETE
Fuel Selector Valve	BOTH
Lights	OFF
Circuit Breakers	IN
Avionics Master Switch	OFF

STARTING ENGINE

Prime	AS REQUIRED
Mixture	RICH
Throttle	1/8" OPEN
Carburetor heat	COLD/OFF
Propeller Area	CLEAR
Master Switch	ON
Beacon Light	ON
Ignition Switch	START

AFTER START

Throttle	800-1000 RPM
Oil Pressure	GREEN ARC
Avionics Power Switch	ON
NAV / TAXI Lights	AS REQUIRED
Mixture	LEAN
Flaps	UP

BEFORE TAKEOFF

Doors & Windows	CLOSED & LOCKED
Flight Controls	FREE & CORRECT
Elevator / Rudder Trim	SET for TAKEOFF
Flight / Engine Instruments	SET & CHECK
Mixture	RICH
Throttle	1700 RPM
Magnetos	CHECK
Carburetor Heat	CHECK
Suction	CHECK
Throttle	800-1000 RPM
Throttle Friction Lock	ADJUST
Flaps	SET for TAKEOFF
Avionics	SET
Takeoff/Emergency Brief	COMPLETE
Strobe Lights	AS REQUIRED

CLIMB

Airspeed	75-85 KIAS
Throttle	FULL OPEN
Mixture	RICH

CRUISE

Power	2300 RPM
Mixture	LEAN

DESCENT

Fuel Selector Valve	BOTH
Power	AS DESIRED
Mixture	ADJUST
Carburetor Heat	AS REQUIRED

BEFORE LANDING

Seats & Seat Belts	SECURE
Mixture	RICH
Carburetor Heat	ON

AFTER LANDING

Carburetor Heat	COLD/OFF
Flaps	UP
Mixture	LEAN

SHUTDOWN

Avionics Master Switch	OFF
Mixture	IDLE CUT-OFF
Lights	OFF
Ignition Switch	OFF
Master Switch	OFF
Control Lock	INSTALL

V-SPEEDS

V _R	55 KIAS
V _X	60 KIAS
V _Y	76 KIAS
V _A @ 2400 lbs	99 KIAS
V _A @ 2000 lbs	92 KIAS
V _S	44 KIAS
V _{SO}	33 KIAS
V _{FE}	85 KIAS
V _{NO}	127 KIAS
V _{NE}	158 KIAS
Best Glide	65 KIAS
Max Demonstrated X-wind	15 KNOTS

MAGNETO DROP LIMITATIONS

125 RPM	EACH MAGNETO
50 RPM	DIFFERENTIAL

Before using this checklist, the pilot shall become familiar with the POH/AFM (Pilot Operating Handbook/Aircraft Flight Manual) and thoroughly understand the required procedures for aircraft operation.

CE-172-N EMERGENCY PROCEDURES

ENGINE FIRE DURING START

Cranking **CONTINUE**

IF ENGINE STARTS:

Power **1700 RPM For Few Minutes**

Engine **SHUTDOWN/Inspect**

IF ENGINE FAILS TO START:

Throttle **FULL OPEN**

Mixture **IDLE CUT-OFF**

Cranking **CONTINUE**

Fire Extinguisher **OBTAIN**

ENGINE SECURE:

Master Switch **OFF**

Ignition Switch **OFF**

Fuel Selector **OFF**

Fire **EXTINGUISH**

ENGINE FIRE IN FLIGHT

Mixture **IDLE CUT-OFF**

Fuel Selector Valve **OFF**

Master Switch **OFF**

Cabin Heat and Air **OFF**

Airspeed **100 KIAS**

Forced Landing **EXECUTE**

CABIN FIRE

Master Switch **OFF**

Vents/Cabin Air/Heat **CLOSED**

Fire Extinguisher **ACTIVATE (If Flames Are Present)**

ASCERTAIN FIRE HAS BEEN EXTINGUISHED:

Vents/Cabin Air/Heat **OPEN**

Land **AS SOON AS POSSIBLE**

AMMETER - EXCESSIVE CHARGE

Alternator **OFF**

Alternator Circuit Breaker **PULL**

Nonessential Electrical Equipment **OFF**

Flight **Terminate As Soon AS Practical**

AMMETER - DISCHARGE

Avionics Master Switch **OFF**

Alternator Circuit Breaker **CHECK IN**

Master Switch **OFF**

Master Switch **ON**

Low-Voltage Light **CHECK OFF**

Avionics Master Switch **ON**

IF LOW-VOLTAGE LIGHT ILLUMINATES AGAIN:

Alternator **OFF**

Nonessential Electrical Equipment **OFF**
Flight **Terminate As Soon As Practical**

ENGINE FAILURE DURING TAKOFF

Throttle **IDLE**

Brakes **APPLY**

Wing Flaps **RETRACT**

Mixture **IDLE CUT-OFF**

Ignition Switch **OFF**

Master Switch **OFF**

ENGINE FAILURE AFTER TAKEOFF

Airspeed **65 KIAS (Flaps Up)**

60 KIAS (Flaps Down)

Mixture **IDLE CUT-OFF**

Fuel Selector Valve **OFF**

Ignition Switch **OFF**

Wing Flaps **AS REQUIRED**

Master Switch **OFF**

ENGINE FAILURE DURING FLIGHT

Airspeed **65 KIAS**

Carburetor Heat **ON**

Fuel Selector Valve **BOTH**

Mixture **RICH**

Ignition Switch **BOTH or START**

Primer **IN & LOCKED**

LANDING WITHOUT POWER

Airspeed **65 KIAS (Flaps Up)**

60 KIAS (Flaps Down)

Mixture **IDLE CUT-OFF**

Fuel Selector Valve **OFF**

Ignition Switch **OFF**

Wing Flaps **AS REQUIRED**

Master Switch **OFF**

Doors **UNLATCH**

Touchdown **SLIGHTLY TAIL LOW**

Brakes **APPLY HEAVILY**

PRECAUTIONARY LANDING

Wing Flaps **20°**

Airspeed **60 KIAS**

Avionics & Electrical Switches **OFF**

Wing Flaps **30°**

Master Switch **OFF**

Doors **UNLATCH**

Touchdown **SLIGHTLY TAIL LOW**

Ignition Switch **OFF**

Brakes **APPLY HEAVILY**