

APPROACH 10 MILES

ATIS/AWOS	MONITOR
Mixture	RICH
Power	AS REQUIRED
Lights	AS REQUIRED
Seat Belts	SECURE
Radio Call	POSITION REPORT

BEFORE LANDING

Seat Belts/Harnesses	SECURE
Mixture	RICH
Carburetor Heat	ON

NORMAL LANDING

Power	AS REQUIRED
Flaps	AS REQUIRED
Airspeed	65-70 KIAS
Braking	MINIMUM REQUIRED

SHORT FIELD LANDING

Power	AS REQUIRED
Flaps	AS REQUIRED
Airspeed	60 KIAS
Braking	MAXIMUM
Flaps	RETRACT

SOFT FIELD LANDING

Power	AS REQUIRED
Flaps	AS REQUIRED
Airspeed	60 KIAS
Touchdown	(SOFTLY) MAIN GEAR FIRST
Carburetor Heat	OFF
Braking	MINIMUM REQUIRED

AFTER LANDING

Runway	CLEAR
Transponder	STANDBY
Flaps	RETRACT
Mixture	LEAN
Carburetor Heat	OFF/COLD
Lights	AS REQUIRED
Radio Call	CLEARANCE

SHUTDOWN AND SECURING

Lights	OFF
Avionics Master Switch	OFF
Transponder	1200 OFF
Mixture	IDLE CUT OFF
Ignition Switch	OFF
Master Switch	OFF
Tie Down	SECURE
Control Lock	INSTALL
Pitot Cover	INSTALL

ENGINE FAILURE ON TAKEOFF ROLL

Throttle	IDLE
Brakes	APPLY
Flaps	RETRACT
Mixture	IDLE CUT OFF
Ignition	OFF
Master Switch	OFF

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	60 KIAS
Mixture	IDLE CUT OFF
Fuel Selector	OFF
Ignition Switch	OFF
Flaps	AS REQUIRED
Master Switch	OFF

ENGINE FAILURE IN FLIGHT

Fuel Selector	BOTH
Airspeed	65 KIAS
Mixture	RICH
Carburetor Heat	ON
Ignition Switch	BOTH
Primer	IN AND LOCKED

LANDING WITHOUT ENGINE POWER

Airspeed Flaps Up	65 KIAS
Airspeed Flaps Down	60 KIAS
Mixture	IDLE CUT OFF
Fuel Selector	OFF
Ignition Switch	OFF
Flaps	AS REQUIRED
Master Switch	OFF
Seat Belts/Harnesses	SECURE
Doors	UNLATCH
Touchdown	TAIL LOW
Brakes	MAXIMUM

AMMETER INDICATES DISCHARGE

Avionics Power	OFF
Alternator Circuit Breaker	CHECK IN
Master Switch	OFF
Master Switch	ON
Avionics	ON

IF LIGHT ILLUMINATES AGAIN

Alternator	OFF
Nonessential Elec. Equipment	OFF
Land	AS SOON AS PRACTICAL

FLAT MAIN TIRE

Flaps	AS DESIRED
Approach	NORMAL
Touchdown	GOOD TIRE FIRST

HOLD A/C OFF FLAT TIRE IF POSSIBLE**PRECAUTIONARY LANDING WITH POWER**

Best Place To Land	INSPECT AREA
Flaps	AS REQUIRED
Avionics	OFF
Airspeed	60 KIAS
Master Switch	OFF
Seat Belts/Harnesses	SECURE
Doors	UNLATCH
Touchdown	TAIL LOW
Ignition Switch	OFF
Brakes	MAXIMUM

ENGINE FIRE ON THE GROUND

Cranking	CONTINUE
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IF ENGINE STARTS

Power	1700RPM
Engine	SHUT DOWN

ENGINE FAILS TO START

Throttle	FULL OPEN
Mixture	IDLE CUT OFF
Cranking	CONTINUE
Master Switch	OFF
Ignition Switch	OFF
Fuel Selector	OFF

EXIT AIRCRAFT AND SEEK HELP**ENGINE FIRE IN FLIGHT**

Mixture	IDLE CUT OFF
Fuel Selector	OFF
Master Switch	OFF
Cabin Air / Cabin Heat	OFF
Airspeed	100 KIAS

ELECTRICAL FIRE IN FLIGHT

Master Switch	OFF
All Electrical Switches	OFF
Cabin Air / Cabin Heat	OFF
Master Switch (If Fire Is Out)	ON
Circuit Breakers	CHECK
Radios/Electrical (One At A Time)	ON
Fresh Air Vents	OPEN

CABIN FIRE IN FLIGHT

Master Switch	OFF
Cabin Air / Cabin Heat	OFF
Land	AS SOON AS PRACTICAL

WING FIRE IN FLIGHT

Navigation Lights	OFF
Strobe Lights	OFF
Pitot Heat	OFF

SIDE SLIP FLAMES AWAY FROM FUEL TANKS

Land	AS SOON AS PRACTICAL
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ATLANTIC AVIATION & FLIGHT CENTER

C-172N CHECKLIST

Aileron Gust Locks REMOVE

INSIDE CABIN

AROW CHECK
 Control Lock REMOVE
 Ignition Switch OFF
 Master Switch ON
 Beacon Light ON
 Fuel Gauges CHECK
 Flaps EXTEND
 Master Switch OFF
 Fuel Selector BOTH
 Alt. Static Source OFF

OUTSIDE CABIN

Tail Tie Down REMOVE
 Control Surfaces FREE/CORRECT
 Right Flap CHECK
 Right Aileron FREE/CORRECT
 Right Wing INSPECT
 Wing Tie Down REMOVE
 Right Main Gear (29psi) CHECK
 Fuel Sump DRAIN
 Fuel Level CHECK
 Engine Oil (4 qt min.) CHECK
 Fuel Drain CHECK
 Prop/Spinner PULL/CHECK
 Air Inlets CHECK
 Alternator Belt CHECK
 Air Filter CHECK
 Nose Gear (31 psi) CHECK
 Static Port CHECK
 Windscreen CHECK
 Left Main Gear (29psi) CHECK
 Fuel Level CHECK
 Fuel Sump DRAIN
 Pitot Tube CHECK
 Fuel Vent CHECK
 Stall Warning CHECK
 Wing Tie Down DISCONNECT
 Left Wing INSPECT
 Left Aileron FREE/CORRECT
 Left Flap CHECK

BEFORE STARTING ENGINE

Preflight Inspection COMPLETE
 Seats/Seat Belts ADJUSTED
 Fuel Selector BOTH
 Prime AS REQUIRED
 Master Switch OFF
 Circuit Breakers IN
 Brakes SET

STARTING ENGINE

Mixture RICH
 Throttle SET 1/4 INCH OPEN
 Carburetor Heat OFF/COLD
 Prop Area CLEAR
 Master Switch ON
 Ignition Switch START
 Throttle 800-1000 RPM
 Oil Pressure/Temp CHECK

BEFORE TAXI

ATIS/AWOS COPY
 Directional Gyro SET
 Altimeter SET
 Comm/Nav Radios SET
 RAIM VERIFY
 Lights AS REQUIRED
 Mixture LEAN
 Flaps RETRACT
 Transponder SQUAWK STANDBY
 Brakes CHECK
Radio Call CLEARANCE

RUNUP

Brakes SET
 Cabin Doors/Windows SECURE
 Flight Controls FREE/CORRECT
 Mixture RICH
 Throttle 1700 RPM
 Magnetos (Max Drop 125/50) LEFT/RIGHT
 Engine Instruments CHECK
 Ammeter CHECK
 Suction Gauge (4.5-5.4) CHECK
 Carburetor Heat ON (RPM DROP)
 Idle Check COMPLETE
 Carburetor Heat OFF
 Throttle 800-1000 RPM
 Attitude Indicator SET
 Directional Gyro SET
 VSI CHECK
 Altimeter SET

BEFORE TAKEOFF

Fuel Selector BOTH
 Trim SET FOR TAKEOFF
 Mixture RICH
 Transponder ALT
 Lights AS REQUIRED
 Heading Indicator SET
 Ignition Switch BOTH
 Primer IN AND LOCKED

Radio Call CLEARANCE

NORMAL TAKEOFF

Flaps UP
 Carburetor Heat OFF/COLD
 Throttle FULL OPEN
Vr 60-65 KIAS
Vy/Vx 76-59 KIAS

SHORT FIELD TAKEOFF

Flaps AS REQUIRED
 Carburetor Heat OFF/COLD
 Brakes APPLY
 Throttle FULL OPEN
 Brakes RELEASE
Vr 55-60 KIAS
Climb Speed 59 KIAS TO CLEAR OBS
 Flaps RETRACT THROUGH 65 KIAS

SOFT FIELD TAKEOFF

Flaps 10 DEGREES
 Carburetor Heat OFF/COLD
 Elevator AFT PRESSURE
 Rollout SMOOTHLY ONTO RUNWAY
 Throttle FULL OPEN
 Accelerate REMAIN IN GND EFFECT
Climb Speed Vy/Vx

NORMAL CLIMB

Flaps RETRACT
Airspeed 80-85 KIAS
 Throttle FULL OPEN
 Mixture AS REQUIRED
 Lights AS REQUIRED
 Engine Instruments MONITOR

CRUISE

Pitch LEVEL
 Power SET
 Trim ADJUST
 Mixture AS REQUIRED
 Lights AS REQUIRED