

WINFC PA28-140 Cherokee N432FL Checklists

Preflight

CABIN	
Control Lock	REMOVED
Flaps	EXTEND
Trim	SET
Throttle	CLOSED
Mixture	CUTOFF
Radio Master	OFF
Ignition Switch	OFF
Master Switch	ON
Fuel Quantity	CHKD
BCN	ON/CHKD
Master Switch	OFF
POH/AROW	CHKD

R WING

Flaps	CHKD
Control Surfaces	CHKD
Wing Tip/Surfaces	CHKD
Fuel Drain/Vent	SAMPLE/CLEAR
Fuel Quant/Cap	CHK/SECURE
Main Gear/Strut	CHKD
Tie-Down/Chocks	REMOVED
Cabin Air Intake	CLEAR

NOSE

Windshield	CHKD
Oil Quant (6-8qts)	CHKD
Prop/Spinner	CHKD
Air Intake/Filter	CHKD
Tire/Strut	CHKD
Engine Cowling	CHKD
Brake Fluid Res.	CHKD
Fuel Drain	SAMPLE/CLEAR

L WING

Cabin Air Intake	CLEAR
Main Gear/Strut	CHKD
Fuel Drain/Vent	SAMPLE/CLEAR
Fuel Quant/Cap	CHK/SECURE
Tie-Down	REMOVED
Pitot Static Mast	CHKD
Stall Warning	CHKD
Wing Tip/Surface	CHKD
Control Surfaces	CHKD
Flaps	CHKD

EMPENNAGE

Antennas	CHKD
BCN	CHKD
Control Surfaces	CHKD
Tie-Down	REMOVE

Before Start

Seats/Belts/Harness	FSTN/ADJ
Parking Brake	SET
Circuit Breakers	IN
Radio Master	OFF
Electrical Equip	OFF (BCN ON)

Start

Key	READY
Fuel Selector	FULLEST TANK
Carb Heat	OFF
Master Switch	ON
Fuel Pump/Pres	ON/CHKD
BCN	ON
Mixture	RICH
Throttle	OPEN ¼"
Primer	1-3 STKS
Propeller Area	CLEAR
- START -	
Throttle	1000 RPM
Oil Pressure	CHKD
Fuel Pump	OFF

Abnormal Starts

FLOODED START:	
Throttle	FULL OPEN
Mixture	CUTOFF
Master Switch	ON
- START -	
Mixture	RICH
Throttle	RETARD
Hot Start:	
<i>Same as Normal Except:</i>	DO NOT PRIME

Before Taxi

Radio Master	ON
Radios	SET
ATIS	COPIED
Att/Head/Alt	SET/XCHKD
GPS	ON
Flaps	UP
Nav/Ldg Lights	AS RQD
TAXI:	
Brakes	CHKD
Instrument Checks	COMPLETE

ATIS 134.15 GND 121.75 TWR 127.9 App East 120.7 West 118.2 BVS 123.075

Engine Run-up	
Parking Brake	SET
Door/Window	CLSD/LCH
Controls	FREE/CORRECT
Fuel Selector	FULL TANK
Mixture	RICH
Throttle	2000 RPM
Eng Instruments	CHKD
Carb Heat	CHKD
Magnetos	CHKD
Load Meter	CHKD
Suction Gauge	CHKD
Throttle (Idle then)	1000 RPM

Magneto Burn-Out	
Throttle	1700RPM
Ignition	BOTH
Mixture	LEAN
<i>Wait 1 Minute:</i>	
Mixture	RICH
Magnetos	CHKD

Before Takeoff	
Departure Brief	
RWY Direction	Vr = 60
Obstructions	Vx = 74
Engine Failure Mg=83	Vy = 85
Trim	SET
Carb Ht	OFF
Fuel Pump	ON
Mixture	RICH
Primer	IN/LOCKED
Flaps	SET
Radio/Transponder	SET
Attitude/Heading	SET
Altimeter	SET/XCHKD
<i>When cleared for takeoff:</i>	
Landing Light	ON
Transponder	ALT
Pitot Heat	AS REQD

After Takeoff	
Flaps	UP
Airspeed	85-95 mph

Cruise	
Power	SET
Fuel Pump	OFF
Mixture	SET
<i>Lean above 5000' MSL</i>	

Six Configurations					
	Power	Pitch	Airspeed	Flaps	VSI
Climb	Full	+5	100	Up	+500
Cruise	2400	0	120	Up	0
Cruise Descent	2300	-3	120	Up	-300
Approach	2200	+1	95	Up	0
App Descent	1500	-3	95	Up	-500
NP App Descent	1300	-5	95	Up	-800

InRange(25)'A MICE ATM'	
ATIS/Altimeter	WX CHKD/SET
Mkr bcn/ID nav aids	ON/SET/ID
Course/Entry	SET/PLANNED
Altitudes/Times(MAP)	Reviewed/Set
Missed App Proc	BRIEFED

Before Landing 'BCGUMPS'	
Boost Pump	ON
Carb Heat	CHK
Gas Selector	FULL TANK
Undercarriage	DOWN/LCKD
Mixture	RICH
Prop	FULL FWD
Spotlight	LND LT ON

After Landing	
Flaps	UP
Fuel Pump	OFF
Transponder	STBY
Landing Light	AS REQ
Pitot Heat	OFF

Shutdown 'MMM'	
Brakes	APPLIED
Throttle	1500 RPM
Radio Master	OFF
Electrical Equip	OFF
Throttle (after 15 sec)	IDLE
Mixture	CUTOFF
Master Switch	OFF
Magneto Switches	OFF
<i>After fueling:</i>	
Controls	LOCKED
Tie Downs	SECURED
Doors	LOCKED

WINFC PA28-140 Emergency Procedures

Engine Failure

Airspeed	83mph/TRIM
Landing Site	LOC/TURN TO
Altitude Permitting	
Fuel Pump	ON
Fuel Selector	CHG TANK
Primer	IN/LOCKED
Ignition	BOTH
Carb Ht	ON
Mixture	RICH
<i>If Engine Fails to Restart:</i>	
Seat Belts/Harn	FASTNED
Squawk	7700
Radio	121.5 MADAY
Doors	UNLATCHED
Engine Secure:	
Mixture	CUTOFF
Ignition	OFF
Fuel Selector	OFF
Master Switch	OFF
Flaps	FULL DOWN

Electrical Fire

Master Switch	OFF
Cabin Vents	OPEN
Cabin Heat	OFF
Land ASAP	

Wing Fire

Fuel Selector	OTHER TANK
Nav Lights	OFF
Pitot Heat	OFF
Slip Away From Fire	
<i>If fire does not go out:</i>	
Emergency Descent	PERFORM

Cabin Fire

Master Switch	OFF
Cabin Vents/Heat/Air	OFF
<i>If fire does not go out:</i>	
Emergency Descent	PERFORM

Eng Fire On Start

Starter	CRANK
<i>If Engine Starts:</i>	
Power	2000 RPM
Engine	SECURE
<i>If No Start:</i>	
Starter	CONT CRANK
Engine Secure:	
Master Switch	OFF
Ignition	OFF
Fuel Pump	OFF
Fuel Selector	OFF

Icing Encounter

Change Direction/Alt.	
Pitot Heat	ON
Cabin Heat/Defrost	ON
Carb Ice	CHK
Power	INCR
<i>Land ASAP</i>	
Flaps	UP
Approach Airspeed	FAST > 85 mph

Spin Recovery

Throttle	IDLE
Ailerons	NEUTRAL
Rudder	FULL OPP DIR
<i>When Rotation Stops:</i>	
Control Wheel	FORWARD
Return to Level Flight	

Engine Fire

Mixture	CUTOFF
Fuel Selector	OFF
Fuel Pump	OFF
Ignition	OFF
Throttle	CLOSE
Master Switch	OFF
Cabin Heat/Def	OFF
Dive To Extinguish	
Execute Eng Failure	Procedures

Turbulence Encounter

Airspeed	< 129 mph
Seat Belts/Harn	TIGHTEN
Loose Items	SECURE

Engine Roughness

Carb Heat	ON
Mixture	ADJ
Fuel Pump	ON
Fuel Selector	SWITCH TANK
Primer	CHK IN/LCKD
Engine Instruments	CHK
Ignition	L/R/BOTH

Emergency Descent

Throttle	IDLE
Mixture	RICH
Carb Heat	ON
Angle Of Bank	45°
Airspeed	< 129 mph

High Oil Temp

Note Oil Pressure
Land ASAP

Open Door

Airspeed	< 100 mph
Cabin Vents	CLOSE
Window	OPEN
Door	RE-CLOSE

Low Oil Pressure

Land ASAP
If Rise In Temp:
Power REDUCE
Execute Force Landing
Anticipate Eng Failure

Aborted Takeoff

Throttle	IDLE
Brakes	APPLY
Flaps	UP
<i>If Leaving Runway:</i>	
Mixture	CUTOFF
Fuel Selector	OFF
Ignition	OFF
Master Switch	OFF

Low Fuel Pressure

Fuel Pump	ON
Fuel Selector	FULL TANK

Load Meter Full Chrg

Alt Switch	OFF
Electrical Load	REDUCE
Land ASAP	

Alternator Failure

Alternator Switch	OFF
Electrical Load	REDUCE
Alternator CB	CHECK IN
<i>Wait 30 Seconds then:</i>	
Alternator Switch	ON
<i>If Fails To Reset:</i>	
Alternator Switch	OFF
Nonessential Equip	OFF
Land ASAP	
<i>If Night or IMC:</i>	
Get VFR and Land	ASAP