

## WINFC PA28-140 Cherokee N432FL Checklists

### Preflight

<b>CABIN</b>	
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:

*Same as Normal Except:* 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
<b>TAXI:</b>	
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

### In Range (25 NM)

Carb Heat	AS RQD
Seats/Belts/Harn	FSTN/ADJ
Mixture	RICH
App Brief/Weather	COMPLT/CHKD
Altimeter	SET

### 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

*If Engine Fails to Restart:*

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  
*If fire does not go out:*  
Emergency Descent PERFORM

### Cabin Fire

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

### Eng Fire On Start

Starter CRANK  
*If Engine Starts:*  
Power 2000 RPM  
Engine SECURE  
*If No Start:*  
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  
*Land ASAP*  
Flaps UP  
Approach Airspeed FAST > 85 mph

### 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

### Spin Recovery

Throttle IDLE  
Ailerons NEUTRAL  
Rudder FULL OPP DIR  
*When Rotation Stops:*  
Control Wheel FORWARD  
Return to Level Flight

### 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

High Oil Temp	
Note Oil Pressure	
Land ASAP	

Low Oil Pressure	
Land ASAP	
<i>If Rise In Temp:</i>	
Power	REDUCE
Execute Force Landing	
Anticipate Eng Failure	

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

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

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

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