

# WINFC Cherokee 140 – N432FL

## 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
<b>R WING</b>	
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
<b>NOSE</b>	
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	SMAPLED
<b>L WING</b>	
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
<b>EMPENNAGE</b>	
Antennas	CHKD
BCN	CHKD
Control Surfaces	CHKD
Tie-Down	REMOVE

## Pre Start

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

## Start

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

## Abnormal Starts

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

## Pre 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
Turn Coordinator	CHKD

### 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	1000 RPM

### Magneto Burn-Out

Throttle	1700RPM
Ignition	BOTH
Mixture	LEAN
<i>Wait 1 Minute:</i>	
Mixture	RICH
Maagnetos	CHKD

### Before Takeoff

Departure Brief	
RWY Direction	
Obstructions	
Vr=60 Vx=74 Vy=85	
Engine Failure Mg=83	
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

### Climb

Flaps	UP
Airspeed	85-95 mph

### Cruise

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

### Cruise Power Settings

	75%			65%	
PA	RPM	TAS	RPM	TAS	
SL	2375	122	2250	113	
2000	2430	124	2300	115	
4000	2490	127	2350	117	
6000	2550	129	2400	120	
8000	FULL	132	2440	123	

### Descent

Carb Ht	AS RQD
Seats/Belts/Harn	FSTN/ADJ
Mixture	RICH
Destination Weather	CHKD
Altimeter	SET

### Landing

Fuel Pump	ON
Fuel Selector	FULL TANK
Mixture	RICH
Carb Ht	CHK
Landing Light	ON

### After Landing

Flaps	UP
Fuel Pump	OFF
Transponder	STBY
Landing Light	AS REQ

### Shutdown

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

## Emergency Procedures

### Engine Failure

Airspeed	83mph/TRIM
Landing Site	LOC/TURN TO
<b>Altitude Permitting</b>	
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	FASTEND
Squawk	7700
Radio	121.5 MADA Y
Doors	UNLATCHED
<b>Engine Secure:</b>	
Mixture	CUTOFF
Ignition	OFF
Fuel Selector	OFF
Master Switch	OFF
Flaps	FULL DOWN

### Eng Fire On Start

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

### 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

### 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	

### Cabin Fire

Master Switch	OFF
Cabin Vents/Heat/Air	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	> 85 mph

### Spin Recovery

Throttle	IDLE
Ailerons	NEUTRAL
Rudder	FULL OPP DIR
<i>When Rotation Stops:</i>	
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
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 Pump	OFF
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

### Load Meter Reads Zero

Electrical Load	REDUCE
Alternator CB	CHECK IN
Alternator Switch	OFF

*Wait 30 Seconds:*  
Alternator Switch ON  
*If Fails To Reset:*  
Alternator Switch OFF  
Nonessential Equip OFF  
Land ASAP