

WINFC Cherokee 140 – N55527

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	SMAPLED
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

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

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	

Pre 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
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=78 Vy=89	
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
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	FASTEND
Squawk	7700
Radio	121.5 MADA Y
Doors	UNLATCHED
Engine Secure:	
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
Engine Secure:	
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

If Leaving Runway:

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
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If Fails To Reset:

Alternator Switch	OFF
Nonessential Equip	OFF

Land ASAP