## Cirrus SR 22 Quick Reference Checklist For simulation use only, not for real world flight

AIRSPEEDS FOR NORMAL OPERATION	BEFORE TAKEOFF
Takeoff Roataion:	Brakes
Normal, Flaps 50%	Flaps
Obstacle Clearance, Flaps 50%	Radios/Avionics
Enroute Climb, Flaps Up:	Cabin Heat/Defrost
Normal	TAXIING
Best Rate of Climb, SL	HSI Orentation
Best Rate of Climb, 10,000	Attitude Gyro
Best Angle of Climb, SL	Turn Coordinator
Best Angle of Climb, 10,000	BEFORE TAKEOFF
Landing Approach:	Brakes HOLD
Normal Approach, Flaps Up	Flight Controls FREE & Correct
Normal Approach, 50%85-90 KIAS	Trim
Normal Approach, Flaps 100%80-85 KIAS	Autopilot DISCONNECT
Short Field, Flaps 100% (V <sub>REF</sub> )	Flaps SET 50% & CHECK
Go-Around, Flaps 50%:	Flight and Engine Instruments
Full Power	HSI and Altimeter
Maximum Recommended Turbulent Air Penetration:	Fuel Quantity
3400 lb	Fuel Selector
2900 lb	Propeller
Maximum Demonstrated Crosswind Velocity:	Power Lever INCREASE to detent
Takeoff of Landing	Note RPM rises to approximately 2000 RPM and manifold pressure
PREFLIGHT	increases slightly as Power Lever is set in dentent
Avionics Power Switch OFF	Power Lever
Bat 2 Master Switch	Alternator CHECK
Avionics Cooling Fan Audible	Pitot HeatON
Voltmeter	AvionicsON
Flap Postion LightOUT	Navigation LightsON
Bat 1 Master Switch	Landing Light ON (3-5 seconds)
Fuel Quantity	Verify both ALT 1 and ALT 2 caution lights out and postive amps
Fuel Selector Select Fullest Tank	indication for each alternator. If necessary, increase RPM to extinguish
Flaps	ALT 2 caution light. ALT 2 caution light shall go out below RPM.
Oil Annunciator ON	Voltage
Lights	Magnetos
Bat 1 and 2 Master SwitchesOFF	Ignition Switch
Alternate Static Source	Ignition SwitchL, note RPM, then BOTH
	Power Lever DECREASE to 1000 RPM
Elevator Movememnt	Transponder
Rudder Movement	Navigation Radios/GPS
Ailerons Movement	Pitot Heat
BEFORE STARTING ENGINE	NORMAL TAKEOFF
Preflight Inspection	Power Lever FULL FORWARD
STARTING ENGINE	Engine Instruments
External Power (If applicable)CONNECT	Brakes
Brakes HOLD	Elevator Control
Bat Master SwitchesON (Check Volts)	At 80 KIAS, FlapsUP
Strobe Lights ON	SHORT FIELD TAKEOFF
Mixture FULL RICH	Flaps
Power Lever	Brakes HOLD
Fuel Pump PRIME, then BOOST	Power Lever FULL FORWARD
Propeller Area	MixtureSET
Power LeverOPEN 1/4 INCH	Engine Instruments
Ignition SwitchSTART (Release after engine starts)	Brakes
Power Lever	Elevator Control
Oil Pressure	Airspeed at Obstacle
Alt Master Switches ON	CLIMB
Avionics Power SwitchON	Climb Power SET
Engine Paramaters MONITOR	Mixture LEAN as required for altitude
External Power (If applicable) DISCONNECT	Engine Instruments

Ammeter ...... CHECK Fuel Pump ...... OFF

CRUISE
Cruise Power
Engine InstrumentsMONITOR
Fuel Flow and Balance MONITOR
Mixture LEAN as required
DESCENT
Altimeter
Cabin Heat/Defrost
Fuel System
Mixture AS REQUIRED
Flaps
Brake Pressure
BEFORE LANDING
MixtureFULL RICH
Fuel PumpBOOST
Flaps
Landing Light
Autopilot DISENGAGE
NORMAL LANDING
Normal landings are made with full flaps with power on or off. Surface
winds and air turbulence are usually the primary factors in determining
the most comfortable approach speed.
Actual touchdown should be made with power off and on the main
wheels first to reduce the landing speed and subsequent need for brak-
ing. Gently lower the nose wheel to the runway after airplane speed has
dimished. This is espcially important for rough or soft field landings.
SHORT FIELD LANDING
For a short field landing in smooth air conditions, make an approach at
77 KIAS with full flaps using enough power to control the glide path
(slightly higher approach speeds should be used under turbulent air con-
ditions). After all approach obstacles are cleared, progressively reduce
power to reach idle just before touchdown and maintain the approach
speed by lowering the nose of the airplane. Touchdown should be made
power-off and on the main wheels first. Immediately after touchdown,
lower the nose wheel and apply braking as required. For maximum brake
effectiveness, retract the flaps, hold the control yoke full back and apply
maximum brake pressure without skidding.
CROSSWIND LANDING
Normal crosswind landings are made with full flaps. Avoid prolonged
slips. After touchdown, hold a straight course with rudder and brakes
as required. The maximum allowable crosswind velocity is dependent
upon pilot capability as well as aircraft limitations. Operation in direct
crosswind of 20 knows has been demonstrated.
BALKED LANDING
Autopilot DISENGAGE
Power Lever FULL FORWARD
Flaps
Airspeed
Flaps UP (After clear of obstacles)
AFTER LANDING
FlapsUP
Power Lever
Transponder
Pitot Heat OFF
Fuel PumpOFF
,
SHUTDOWN

Avionics Switch OFF
Fuel Pump (if used) OFF
Mixture CUTOFF
Magnetos OFF
Bat-Alt Master Switches OFF
ELT TRANSMIT LIGHT OUT

## MAXIMUM POWER FUEL FLOW

Pressure Altitude	Target Fuel Flow	Pressure Altitude	Target Fuel Flow	Pressure Altitude	Target Fuel Flow
0	27.1	7000	21.4	14,000	17.5
1000	26.2	8000	20.5	15,000	16.9
2000	25.1	9000	19.9	16,000	16.7
3000	24.3	10,000	19.5	17,000	16.2
4000	23.6	11,000	18.8	17,500	16.1
5000	22.8	12,000	18.4		
6000	22.1	13,000	17.9		

## AIRSPEED CALCULATION - NORMAL STATIC SOURCE

	KCAS		
KIAS	Flaps	Flaps	Flaps
	10%	50%	100%
60			58
70		68	69
80	79	80	80
90	90	91	90
100	100	101	100
110	110	111	
120	121	121	
130	131		
140	142		
150	152		
160	162		
170	172		
180	183		
190	193		
200	203		

## Emergency Procedures Checklist For simulation use only, not for real world flight

	not for real world flight
AIRSPEEDS FOR EMERGENCY OPERATIONS	ENGINE AIRSTART
Maneuvering Speed:	Bat Master Switches
3400 lb	Power LeverOPEN 1/2 INCH
Best Glide:	Mixture
3400 lb	Fuel SelectorSWITCH TANKS
2900 lb	Ignition Switch BOTH
Emergency Landing (Engine-Out):	Fuel PumpBOOST
Flaps Up90 KIAS	Alt Master Switches OFF
Flaps 50%85 KIAS	Starter (Propeller not Windmilling) ENGAGE
Flaps 100% 80 KIAS	Power Lever slowly INCREASE
ENGINE FIRE DURING START	Alt Master Switches
Mixture CUTOFF	If engine will not start, perform Forced Landing checklist
Fuel PumpOFF	ENGINE PARTIAL POWER LOSS
Fuel Selector OFF	Fuel PumpBOOST
Power Lever	Fuel SelectorSWITCH TANKS
Starter	Mixture CHECK appropriate for flight conditions
If flames persist, perform Emergency Engine Shutdown on Ground and	Power Lever
Emergency Ground Egress checklists	Alternate Induction Air ON
BRAKE FAILURE DURING TAXI	Ignition Switch BOTH, L, then R
Engine Power	Land as soon as practical
To stop airplane	LOW OIL PRESSURE
If necessary for steering	Power LeverMINIMUM REQUIRED
Directional Control	Land as soon as practical
Brake Pedal(s)	PROPELLER GOVERNOR FAILURE
ABORTED TAKEOFF	Propeller RPM will not increase:
Power Lever	Oil Pressure
Brakes	Land as soon as practical
EMERGENCY ENGINE SHUTDOWN ON GROUND	Propeller overspeeds or will not decrease:
	Power Lever
Power Lever	Airspeed
Fuel Pump (if used) OFF Mixture	Land as soon as practical
Fuel Selector OFF	SMOKE AND FUME ELIMINATION
Ignition Switch OFF	Heater OFF
Bat-Alt Master Switches OFF	Air Vents OPEN, FULL COLD
	Prepare to land as soon as possible
ENGINE FAILURE ON TAKEOFF (LOW ALTITUDE)	_ ·
Best Glide or Landing Speed (as apprpriate) ESTABLISH	ENGINE FIRE IN FLIGHT
Mixture	Mixture
Fuel Selector OFF	Fuel Pump OFF
Ignition Switch OFF	Power Lever
Flaps AS REQUIRED	Fuel Selector OFF
If time permits:	Ignition Switch OFF
Power LeverIDLE	Perform Forced Landing checklist
Fuel Pump OFF	WING FIRE IN FLIGHT
Bat-Alt Master Switches OFF	Pitot Heat Switch OFF
ENGINE FAILURE IN FLIGHT	Navigation Light Switch OFF
Best Glide Speed ESTABLISH	Strobe Light Switch OFF
Mixture FULL RICH	If possible, side slip to keep flames away from fuel tank and cabin
Fuel SelectorSWITCH TANKS	<b>Note:</b> Outting the airplane into a dive may blow out the fire. Do not
Fuel PumpBOOST	exceed V <sub>NE</sub> during the dive
Alternate Induction Air	Land as soon as possible
Ignition Switch	
If engine does not start, proceed to Engine Airstart or Forced Landing	
checklist, as required	

CABIN FIRE IN FLIGHT	LANDING WITH FAILED BRAKES
Bat-Alt Master Switches OFF, AS REQ'D	One brake inoperative
Heater OFF	Land on the side of the runway corresponding to the inoperative brake
Air Vents	Maintain directional control using rudder and working brake
Fire Extinquisher	Both brakes inoperative
When fire extinguished, Air Vents OPEN, FULL COLD	Divert to the longest, widest runway with the most direct headwind
Avionics Power Switch OFF	Land on downwind side of the runway
All other switches OFF	Use the rudder for obstacle avoidance
Land as soon as possible	Perform Emergency Engine Shutdown on Ground checklist
If setting master switches off elimiated source of fire or fumes and air-	LANDING WITH FLAT TIRE
plane is in night, weather, or IFR condtions:  Bat-Alt Master Switches	Main Gear
Avionics Power Switch	Land on the side of the runway corresponding to the good tire  Maintain directional control with the brakes and rudder
Activate required systems one at a time. Pause several seconds	Do not taxi. Stop the airplane and perform a normal engine shutdown
between activating each system to isolate malfunctioning system.	Nose Gear
INADVERTENT ICING ENCOUNTER	Land in the center of the runway
Pitot Heat ON	Hold the nosewheel off the ground as long as possible
Exit icing conditions. Turn back or change altitude	Do not taxi. Stop the airplane and perform a normal engine shutdown
Cabin Heat	ALT 1 LIGHT STEADY
Windshield Defrost FULL OPEN	ALT 1 Master Switch OFF
Alternate Induction Air	Alternator 1 Circuit BreakerCHECK and RESET
EMERGENCY DESCENT	ALT 1 Master Switch ON
Power Lever	If alternator does not reset:
Mixture As Required	Switch off unnecessary equipment on Main Bus 1, Main Bus 2, and the
Airspeed	Non-Essential Buses to reduce load. Monitor voltage
INADVERTENT IMC ENCOUNTER	ALT 1 Master Switch OFF
Airplane controlEstablish Straight and Level FLight	Land as soon as practical
Autopilot Engage to hold Heading and Altitude Heading Reset to initiate 180° turn	ALT 1 LIGHT FLASHING Ammeter Switch
	If charging rate is greater than 30 amps, reduce load on Main Bus 1,
INADVERTENT SPIRAL DIVE DURING IMC FLIGHT Power Lever	Main Bus 2, and Non-Essential buses
Stop the spiral dive by using coordinated aileron and rudder control	Monitor ammerter until battery charge rate is less than 15 amps
while referring to the attitude indicator and turn coordinator to level	When battery charge rate is within limits, add loads as necessary for
the wings	flight conditions
Cautiosuly apply elevator back perssure to bring airplace to level flight	ALT 2 LIGHT STEADY
attitude	ALT 2 Master Switch OFF
Trim for level flight	Alternator 2 Circuit Breaker
Set power as required	ALT 2 Master Switch ON
Use autopilot if functional otherwise keep hands off control yoke, use	If alternator does not reset:
rudder to hold constant heading	Switch off unnecessary equipment on Main Bus 1, Main Bus 2, and the
Exit IMC conditions as soon as possible	Non-Essential Buses to reduce load. Monitor voltage ALT 2 Master Switch
FORCED LANDING  Best Glide Speed ESTABLISH	Land as soon as practical
Radio Transmit (121.5 MHz) MAYDAY giving location and intentions	PITOT STATIC MALFUNCTION
Transponder	Pitot HeatON
If off airport, ELT	Alternate Static Source
Power Lever	ELECTRIC TRIM/AUTOPILOT FAILURE
Mixture	Airplane Control
Fuel Selector OFF	Autopilot (if engaged)
Ignition Switch OFF	If Problem Is Not Corrected: Circuit Breakers PULL AS Required
Fuel Pump OFF	PITCH TRIM
Flaps (when landing is assured)	ROLL TRIM
	AUTOPILOT
LANDING WITHOUT ELEVATOR CONTROL	Power Lever
Flaps         SET 50%           Trim         SET 80 KIAS	Control Yoke
Power	Land as soon as practical
FOWER	