



Cirrus SR20

Microsoft Flight Simulator 2002

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Other simulator checklists and other sim/real aviation items available for download at <http://www.faatest.com> and <http://www.faatest.com/downloads/simchecklists/simchecklists.html>

Pre-Start Checklist

(to enable automatic propeller adjustment, set propeller to HIGH RPM)

Seat Belts	FASTENED
Parking Brakes	SET
Throttle	CLOSED
Magneto/Starter Switch	OFF
Battery & Alternator Master Switches	OFF
Avionics Master Switch	OFF
Fuel Boost Pump Switch	OFF
Mixture/Fuel Flow	CUTOFF
Battery & Alternator Master Switches	ON
Panel Lights	ON AS REQUIRED
Flight controls	CHECK
Flaps	UP
Fuel Quantity	CHECK
Fuel Selector	FULLEST TANK
Avionics Master Switch	ON
Check Weather	(Atis, Flight Services)
Request Clearance	
Transponder	STANDBY

Startup Checklist

Engine and Propeller Area	CLEAR
Mixture	RICH
Throttle	FULL OPEN
Fuel Boost Pump Switch	ON
Throttle	OPEN ¼ INCH
Magneto/Starter Switch	START (hold until engine starts)
Throttle	IDLE
Oil Pressure	CHECK
Ammeter+Voltmeter	CHECK for CHARGE
Engine Instruments	CHECK
Fuel Boost Pump Switch	OFF
Annunciator Lights	CHECK





Before Taxi Checklist

Nav Lights	ON
Heading Indicator / Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot Master Switch	ON (don't activate!)
<i>Request Taxi Clearance</i>	

Taxi Checklist

Parking Brake	RELEASE
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns
Taxi to assigned runway	SPEED Max. 20 knots

Before Take-off Checklist

Parking Brake	SET
Fuel Quantity	CHECK
Fuel Selector	FULLEST TANK
Throttle	IDLE
Mixture	RICH
Throttle	1700 RPM
Magnetos	CHECK
Ammeter	<150 RPM drop on each, <75 RPM drop between
Throttle	CHECK Positive charge ind.
Landing Lights	IDLE
Strobe Light	ON
Pitot Heat	ON
Engine Instruments/Annunciator Lights	ON
Elevator Trim	CHECK
Flaps	SET for takeoff
Fuel Boost Pump Switch	SET 50 %
Flight Controls	ON
Transponder	FREE AND CORRECT
<i>Request Takeoff Clearance</i>	

Take-off Checklist

Smoothly increase thrust to
Brakes
V1 =
Vr =
Pitch
At Positive Climb Rate
Trim for climb to maintain
At 500' AGL
Engine Instruments
Annunciator Lights

FULL
RELEASE
65 KIAS (decision)
70 KIAS (rotate)
10 degrees
Touch Brakes
80 KIAS
RETRACT FLAPS
CHECK
CHECK

Climb-out Checklist

Throttle
Mixture
Autopilot
Landing Lights
Fuel Boost Pump Switch
Airspeed
Climb Rate
ATC

23 “
RICH (above 3000' LEAN)
CHECK, SET and ACTIVATE
OFF
OFF
100 KIAS 20 “
700 fpm
AS REQUIRED

Cruise Checklist

Accelerate to cruise speed
Service Ceiling max. 17'500 ft
Engine+Instruments
Annunciator Lights
Engine Temperatures
Fuel Quantity
Fuel Selector
Radios
Autopilot
Lights
Engine Instruments
Annunciator Lights

130-140 KIAS 20 “
eff. < 9'000 ft
CHECK
CHECK
STABILIZE at cruise cond.
CHECK
FULLEST TANK
TUNED and SET
CHECK and SET
as required
CHECK
CHECK



CRUISE (6'000ft) - Zero Flaps

Economy	140	KIAS	2500 RPM
Normal	156	KIAS	2500 RPM
Maximum	163	KIAS	2700 RPM

ARRIVAL

	Flaps:	Speed:	
Approach	UP	85	KIAS
	50 %	80	KIAS
	100 %	75	KIAS

WEIGHT & BALANCE

Max. T.O. Weight:	2'900 LBS
Useful Load:	950 LBS
Fuel Type:	100 LL (Blue) / 100 (Green)
Useable Fuel:	56 Gallons

Descent Checklist

Atis/Airport Information	CHECK	
Fuel Selector	FULLEST TANK	
Altimeter	CHECK	
Radios	SET	
Descent Speed	130-140 KIAS	16 "
Descent Rate	-700 fpm	
Flaps	CHECK UP	
Check Weather	(Atis, Flight Services)	

Approach Checklist

<i>Localizer Level Flight :</i>		
Landing Lights	ON	
Fuel Boost Pump Switch	ON	
Speed: Establish	95 KIAS	14 "
Mixture	RICH (on final)	
Flaps	SET 50 %	
Speed: Establish	90 KIAS	15 "
Turning toward runway: set flaps	FULL DOWN (100 %)	
<i>Final Glideslope Descent :</i>		
Speed: Establish	85 KIAS	13 "
Descent Rate	-350 fpm	
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	

Landing Checklist

Autopilot	OFF
Landing Speed	80 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Brakes	MINIMUM REQUIRED

Taxi To Ramp

Strobe Light	OFF
Flaps	RETRACT
Landing Lights	OFF
Speed	Max. 20 knots
Throttle	AS REQUIRED
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200 / standby

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Avionics Master Switch	OFF
Nav Lights	OFF
Pitot Heat	OFF
Fuel Boost Pump Switch	OFF
Mixture/Fuel Flow	CUTOFF
Fuel Selector	OFF
Magneto/Starter Switch	OFF
Panel Lights	OFF
Battery & Alternator Master Switches	OFF

Securing Aircraft

Parking Brake	VERIFY SET
Throttle	VERIFY IDLE
All Switches	VERIFY OFF

REFERENCE LIST

V-Speeds

Vr	Rotation Speed	60	KIAS
Vx	Best Angle Climb	82	KIAS
Vy	Best Rate Climb	91	KIAS
Vs0	Stall w/flaps	55	KIAS
Vs	Stall w/o flaps	62	KIAS

Best Glide (2500 lbs)	87	KIAS
Best Glide (Full Gross)	95	KIAS

Vno	Max Struct. Cruise	165	KIAS
Vne	Never Exceed	200	KIAS
Vfe	Flaps	120	KIAS

NORMAL TAKE OFF

50 % Flaps

Normal conditions	Rotate at 70 KIAS
Short Field:	Rotate at 65 KIAS
Soft Field:	Rotate as early as Possible, then Accelerate to 65 KIAS

Zero Flaps

Best Angle Climb	82	KIAS
Best Rate Climb	91	KIAS