CIRRUS SR-20
NORMAL PROCEDURES
CHECKLIST

*This is to be used as a REFERENCE ONLY, it is not a substitute for the Airplane Flight Manual.
*Refer to AFM/POH for amplified procedures. User assumes all risk of use in using this product. User consents to and understands that American Flight Schools bears no liability for the use of this product.

Vr……65	Vno……163
Vy (SL)……96	Vne……200
Vx (SL) ……83	App (50%) ……83
Vso……61	App (100%) ……78
Vs…… 69	Max Xwind……20
Vfe(50%)……119	Best Glide……99
Vfe(100%)……104	Max T/O……3050lbs
Va (3050lb)……130	Max LND……3050lbs

Tower	
Ground	
ATIS	
Approach	
FSS	

BEFORE STARTING ENGINE

1. Preflight Inspection……COMPLETED

WARNING

Ensure that the airplane is properly loaded and within the AFM's weight and balance limitations prior to takeoff.

2. Weight and Balance……VERIFY
3. Emergency Equipment……ON BOARD
4. Passengers…… BRIEFED

Note

Ensure all the passengers have been fully briefed on smoking, the use of the seat belts, doors, emergency exits, egress hammer, and CAPS.

Verify CAPS handle safety pin is removed.

5. Seats, Seat Belts, and Harness……
……ADJUST & SECURE

NORMAL START

1. Brakes ……HOLD
2. Bat Master Switches……ON
3. Strobe Lights …… ON
4. Mixture …… FULL RICH
5. Power Lever……FULL FORWARD
6. Fuel Pump …… PRIME, then BOOST

Note

On first start of the day, especially under cool ambient conditions, holding Fuel Pump switch to PRIME for 2 seconds will improve starting.

7. Propeller Area…… CLEAR
8. Power Lever …… OPEN ¼ INCH
9. Ignition Switch…… START

(Release after engine starts)

Caution

Limit cranking to intervals of 10 seconds with a 20 second cooling period between cranks. This will improve battery and contactor life.

10. Power Lever……RETARD

(to maintain 1000 RPM)

11. Fuel Pump……OFF
12. Oil Pressure…… CHECK
13. Alt Master Switches ……ON
14. Avionics Power Switch……ON
15. Engine Parameters…… MONITOR
16. Amp Meter/Indication…… CHECK
17. MFD……SET

BEFORE TAXIING

1. Flaps …… UP (0%)
2. Radios/Avionics…… AS REQUIRED
3. Cabin Heat/Defrost…… AS REQUIRED
4. Fuel Selector…… SWITCH TANK
5. Mixture……SET FOR TAXI

TAXIING

1. Parking Brake …… DISENGAGE
2. Brakes…… CHECK
3. HSI Orientation…… CHECK
4. Attitude Gyro …… CHECK
5. Turn Coordinator …… CHECK

BEFORE TAKEOFF (RUN-UP)

1. Doors ……LATCHED
2. CAPS Handle …… Verify Pin Removed
3. Seat Belts and Harness…… SECURE
4. Air Conditioner …… AS DESIRED

Caution

Use of RECIRC mode prohibited in flight.

Note

If Air Conditioner is ON for takeoff roll, see Section 5, Takeoff Distance for takeoff distance change. No takeoff distance change is necessary if system remains OFF for takeoff roll.

6. Fuel Quantity …… CONFIRM
7. Fuel Selector……FULLEST TANK
8. Flaps ……SET 50% & CHECK
9. Transponder……SET
10. Autopilot……CHECK
11. Nav Radios/GPS……SET for Takeoff

12. Cabin Heat/Defrost.....AS REQUIRED
13. Brakes.....HOLD
14. Mixture.....SET
15. Power Lever.....1700 RPM
16. Alternator.....CHECK
    a) Pitot Heat.....ON
    b) Navigation Lights .....ON
    c) Landing Light.....ON
    d) Annunciator Lights..... CHECK
17. Voltage ..... CHECK
18. Pitot Heat ..... AS REQUIRED
19. Navigation Lights..... AS REQUIRED
20. Landing Light ..... AS REQUIRED
21. Magnetos .....CHECK Left and Right

- Ignition Switch.....R, note RPM, then BOTH
- Ignition Switch.....L, note RPM, then BOTH

Note

RPM drop must not exceed 150 RPM for either magneto. RPM differential must not exceed 50 RPM between magnetos.

22. Engine Parameters ..... CHECK
23. Power Lever.....1000 RPM
24. Fuel Pump..... BOOST
25. Flight Instruments.....CHECK & SET
26. Flight Controls..... FREE & CORRECT
27. Trim ..... SET Takeoff
28. Autopilot ..... DISCONNECT

TAKEOFF

1. Brakes.....RELEASE
   (Steer with Rudder Only)
2. Power Lever.....FULL FORWARD
3. Engine Parameters.....CHECK
4. Elevator Control.....ROTATE Smoothly
   .....at 65-70 KIAS At 85 KIAS
5. Flaps.....UP

SHORT FIELD TAKEOFF

1. Flaps 50%
2. Brakes .....HOLD
3. Power Lever.....FULL FORWARD
4. Engine Parameters ..... CHECK
5. Brakes.....RELEASE
   (Steer with Rudder Only)
6. Elevator Control .....ROTATE
   .....Smoothly at 65 KIAS
7. Airspeed at Obstacle.....77 KIAS

CLIMB

1. Climb Power ..... SET
2. Flaps ..... Verify UP
3. Mixture .....SET
4. Engine Parameters ..... CHECK
5. Fuel Pump ..... AS REQUIRED

CRUISING

1. Fuel Pump.....OFF
2. Cruise Power .....SET
3. Mixture ..... LEAN as required
4. Engine Parameters .....MONITOR
5. Fuel Flow and Balance.....MONITOR

DESCENT

1. Altimeter.....SET
2. Cabin Heat/Defrost ..... AS REQUIRED
3. Landing Light ..... ON
4. Fuel System ..... CHECK
5. Mixture.....SET
6. Brake Pressure ..... CHECK

BEFORE LANDING

1. Seat Belt and Harness.....SECURE
2. Fuel Pump..... BOOST
3. Mixture.....SET
4. Flaps ..... AS REQUIRED
5. Autopilot ..... AS REQUIRED

GO-AROUND

1. Autopilot ..... DISENGAGE
2. Power Lever.....FULL FORWARD
3. Flaps 50%
4. Airspeed.....BEST ANGLE OF CLIMB
   .....(81 – 83 KIAS)

After clear of obstacles:

5. Flaps .....UP

AFTER LANDING

1. Power Lever.....1000 RPM
2. Fuel Pump.....OFF
   Leaving the pump on may be necessary at high temps to prevent vapor lock
3. Flaps .....UP
4. Transponder..... STBY
5. Lights..... AS REQUIRED
6. Pitot Heat .....OFF

STOPPING ENGINE

1. Fuel Pump (if used) .....OFF
2. Throttle..... IDLE
3. Mixture .....CUTOFF
4. All Switches.....OFF
5. Magnetos .....OFF
6. ELT..... TRANSMIT LIGHT OUT
7. Chocks, Tie-downs, Pitot Covers.....
   .....AS REQUIRED