

CIRRUS SR-22 FLIGHT OPERATIONS CHECKLIST

Preflight

Weather **BRIEF**
 Flight Plan **FILE as reqd.**
 Weight & Balance **VERIFY OK**
INTERIOR
 Required Documents **ON BOARD**
 Airworthiness, Registration, POH, W&B
 Avionics Master **OFF**
 Battery Master 2 **ON**
 Avionics Cooling Fan **AUDIBLE**
 PFD Voltmeter **23-25 V**
 Flap Position Light **OUT**
 Battery Master 1 **ON**
 Exterior Lights **CHECK**
 Stall Warning **TEST**
 Fuel Quantity **CHECK**
 Fuel Selector **FULLEST TANK**
 Flaps **100%, CHECK LIGHT ON**
 Oil Annunciator **ON**
 Battery Masters 1 & 2 **OFF**
 Alternate Static Source **NORMAL**
 Circuit Breakers **IN**
 Fire Extinguisher & Hammer .. **ON BOARD**
EXTERIOR
 TODO

Before Starting Engine

Preflight Inspection **COMPLETED**
 Tiedowns & Wheel Chocks **REMOVED**
 Passengers **BRIEF**
 Seat Belts, A/C, Fire, Exit, Traffic/Talking, CAPS
 Seat Belts **ADJUST & SECURE**
 CAPS Pin **REMOVE**

Starting Engine

Brakes **HOLD**
 Ignition Key **INSERTED**
 Battery Masters 2 & 1 ... **ON, CHECK 24 V**
 Strobe Lights **ON**
 Propeller Area **CLEAR**
 Oil Temperature **CHECK**
NORMAL START
 Mixture **FULL RICH**
 Power Lever **FULL FORWARD**
 Fuel Pump **PRIME, then BOOST**
 Prime for 5 secs until fuel flow reaches 15 gph
 Power Lever **OPEN ¼ INCH**
 Ignition Switch **START**
 Power Lever **1000 RPM**
HOT START IF OIL TEMP > 160°F
 TODO **TODO**
 TODO **TODO**
 TODO **TODO**
FLOODED START
 Fuel Pump **OFF**
 Mixture **LEAN**
 Power Lever **FULL FORWARD**
 Ignition Switch **START**
 Power Lever **RETARD**
 Mixture **SLOWLY ADVANCE TO RICH**
AFTER ENGINE START
 Alternator Masters 1 & 2 **ON**
 Avionics Master **ON**
 Engine Parameters **CHECK GREEN**

Before Taxiing

Weather Information **OBTAIN**
 Taxi Clearance (Radio 2) **OBTAIN**
 Altimeter **SET**
 Flaps **UP**
 Mixture **LEAN as reqd.**
DURING TAXIING
 Brakes **CHECK**
 HSI Orientation **CHECK**
 Attitude Indicator **CHECK**
 Turn Coordinator **CHECK**

Before Takeoff

CAPS Pin **REMOVED**
 Flight Controls **FREE & CORRECT**
 Trim **SET TAKEOFF**
 Altimeter **SET**
 Flight Instruments **CHECK**
 Flaps **50%**
 Transponder **SET**
 Autopilot **CHECK**
 Navigation & GPS **SET**
 Fuel Quantity **CONFIRM**
 Fuel Selector **SWITCH TANK**
 Fuel Pump **BOOST**
 Doors **CLOSE & LATCH**
ENGINE RUN-UP
 Mixture **FULL RICH or as reqd.**
 Brakes **HOLD**
 Power Lever **1700 RPM**
 Pitot Heat & Lights **ON**
 Annunciators **CHECK CLEAR**
 Alternator Load **CHECK BOTH > 0**
 Alternator Voltage **CHECK 28 V**
 Pitot Heat & Lights **As reqd.**
 Magnetos **CHECK L & R**
 Check RPM drop < 150, RPM differential < 75
 Engine Parameters **CHECK GREEN**
AFTER ENGINE RUN-UP
 Power Lever **1000 RPM**
 Mixture **LEAN as reqd.**
 Flight Plan **OPEN**
 Takeoff & Abort Plan **BRIEF**
 Takeoff Clearance (Radio 1) **OBTAIN**

Takeoff

Fuel Pump **BOOST**
 Mixture **FULL RICH or as reqd.**
 Transponder **SET**
 Lights **ON**
 Brakes **RELEASE**
 Power Lever **FULL FORWARD**
 Propeller **CHECK 2700 RPM**
 Engine Parameters **CHECK GREEN**
 Elevator **ROTATE (70-73 KIAS)**
 At 500 ft, CAPS **CALLOUT "Available"**
 At 80 kts, Flaps **UP**
 Best Angle V_X **78 (SL) 82 (10,000)**
 Best Rate V_Y **101 (SL) 95 (10,000)**

Climb

Power **TODO set to what?**
 Mixture **TODO when to lean?**
 Engine Parameters **CHECK GREEN**
 Fuel Pump **BOOST**
 Flaps **UP**
 Enroute Climb **110-120 KIAS**

Cruise

Lights **As reqd.**
 Fuel Pump **OFF**
 Power **SET**
 Mixture **LEAN as reqd.**
 Best Power: 75°F rich of peak EGT, power < 75%
 Best Economy: 50°F lean of peak EGT, power < 65%
 Engine Parameters **CHECK GREEN**
 Fuel Selector **SWITCH as reqd.**

Descent

Altimeter **SET**
 Lights **ON**
 Fuel Selector **FULLEST TANK**
 Mixture **RICHEN as reqd.**
 Brake Pressure **CHECK**

Before Landing

Seat Belts **SECURE**
 Fuel Pump **BOOST**
 Mixture **FULL RICH or as reqd.**
 Flaps **DEPLOY**
 Approach (Flaps UP) **90-95 KIAS**
 Approach (Flaps 50%) **85-90 KIAS**
 Approach (Flaps 100%) **80-85 KIAS**
 Short Field (Flaps 100%) **77 KIAS**

Go-Around

Autopilot **DISENGAGE**
 Power Lever **FULL FORWARD**
 Flaps **50%**
 Airspeed **75-80 KIAS**
 Flaps **UP**

After Landing

Power Lever **1000 RPM**
 Fuel Pump **OFF**
 Flaps **UP**
 Lights **As reqd.**
 Pitot Heat **OFF**

Shutdown

Fuel Pump **OFF**
 Power Lever **IDLE**
 Ignition Switch **OFF, then BOTH**
 Mixture **CUTOFF**
 All Switches **OFF**
 Ignition Switch **OFF**
 ELT **NOT TRANSMITTING**

Airspeeds; Gaits Table

TODO

Cruise Power Settings

TODO