

# CIRRUS SR-22 FLIGHT OPERATIONS CHECKLIST

## Preflight (Interior)

Weather .....  
 Weight & Balance ..... **VERIFY OK**  
 Fire Extinguisher & Hammer ..... **ON BOARD**  
 TODO

## Before Starting Engine

Preflight Inspection ..... **COMPLETED**  
 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 24V**  
 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 rqd.**  
**DURING TAXIING**  
 Brakes ..... **CHECK**  
 HSI Orientation ..... **CHECK**  
 Attitude Indicator ..... **CHECK**  
 Turn Coordinator ..... **CHECK**

## Before Takeoff (Run-up)

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**  
 Mixture ..... **FULL RICH or as rqd.**  
 Brakes ..... **HOLD**  
 Power Lever ..... **1700 RPM**  
 Pitot Heat & Lights ..... **ON**  
 Annunciators ..... **CHECK CLEAR**  
 Alternator Load ..... **CHECK BOTH > 0**  
 Alternator Voltage ..... **CHECK 28V**  
 Pitot Heat & Lights ..... **As rqd.**  
 Magnetos ..... **CHECK L & R**  
 Check RPM drop < 150, RPM differential < 75  
 Engine Parameters ..... **CHECK GREEN**  
 Power Lever ..... **1000 RPM**  
 Mixture ..... **LEAN as rqd.**  
 Flight Plan ..... **OPEN**  
 Takeoff & Abort Plan ..... **BRIEF**  
 Takeoff Clearance (Radio 1) ..... **OBTAIN**

## Takeoff

Fuel Pump ..... **BOOST**  
 Mixture ..... **FULL RICH or as rqd.**  
 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<sub>X</sub> ..... **78 (SL) 82 (10,000)**  
 Best Rate V<sub>Y</sub> ..... **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 rqd.**  
 Fuel Pump ..... **OFF**  
 Power ..... **SET**  
 Mixture ..... **LEAN as rqd.**  
 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 rqd.**

## Descent

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

## Before Landing

Seat Belts ..... **SECURE**  
 Fuel Pump ..... **BOOST**  
 Mixture ..... **FULL RICH or as rqd.**  
 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 rqd.**  
 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