

Checklist N1182H - Aeronca 15AC Sedan

Preflight

Initial

- Key on Glareshield
- Main Power Off
- Fuel Selector Off
- Mixture Off
- SPARROW Documents
- Record Hobbs

Electrical

- Unhook Trickle Charger
- Main Power On
- All Lights On
- Check Fuses (and Spares)
- Check Lights
- G275 Bootup
- All Lights Off
- Main Power Off

Exterior

- Inspect
 - Fuselage
 - Aileron
 - Elevator
 - Rudder
 - Rear Stabilizer Braces
 - Propellor for damage
 - Prop Spinner & Screws
 - Mains Wheels - (19 PSI)
 - Mains Brakes
 - Tailwheel - (30-35 PSI)
- Check Clear
 - AOA Ports
 - Fuel Tank Vents
 - Pitot Tube
 - Static Port
- Close Engine Fairings
- Remove Wheel Chocks & Tie Downs

Greasy Bits

- Oil Level 6-8 Qts (7qt typical)
- Fuel Selector Set Both
- Fuel Plane
 - 34 (17x2) Gallons Usable
 - 36.6 (18.3x2) Gallons Total
- 2x Wing Fuel Tank Sump
- 1x Fuel Strainer Sump

Engine Start

Passenger Brief

- Doors & Windows Closed
- Seat Belts Secure
- Air Ventilation Set
- Fire Extinguisher
- Safety Kit Under Right Seat
- Brief The Plan
- Emergency Procedures
- 3 Step Exchange
- Steril Cockpit
- Passenger Questions

Start

- Parking Brake Off
- CO Detector On
- Fuel Selector On
- Avionics Power Off
- Main Power On
- Strobe On
- Carb Heat Off
- Mixture Rich
- Throttle 1/8 inch
- Prime 2-6 times
- Lock Primer
- Keys in Starter
- Clear Area
- Yoke Full Back Pressure
- Hold Brakes
- Crank Starter (10 sec)
- Maintain 800 RPM
- Check Oil Pressure
- Alternator Power On
- Lean Mixture for Max RPM

Avionics

- Avionics Power On
- Transponder On & Set (1200 VFR)
- Get Weather/ATIS
- Set Barometric Pressure
- Turn on GDL 52
- Set Frequencies
- Radio Check

Pre-Takeoff

Taxi

- Taxi Lights On
- Eyes Outside
- Wind Control Inputs
- Gentle Brake Test

Runup

- Check Flight Controls
- Flight Instruments Set
- Fuel Select Both
- Trim set for Takeoff
- Mixture Rich or Best Power
- Doors & Windows Closed
- Yoke Full Back Pressure
- Throttle 1700 RPM
- Engine Instrument Check
- All Power On & Ammeter Check
- Mag Check (Max Drop 125 RPM / 50 RPM Different)
- OPTIONAL Plug Cleaning
 - Lean Mixture
 - Throttle 2000 RPM (1 min)
 - Recheck Mags
- Carb Heat Test
- Throttle Idle & Friction Set

Pre-Takeoff

- Seat Belts Secure
- Brief Takeoff
- Brief Takeoff Abort & Emergency
- **Lights** - Landing, Taxi, Nav On
- **Camera** - Transponder On
- **Action** - Engine Instruments Checked

Vso: 40 MPH
Vx: 60 MPH
Vy: 70 MPH
Va: 91 MPH
Vno: 110 MPH
Vne: 129 MPH

Ground Emergencies

Fire During Start

- Fuel Selector Off
- Mixture Off
- Mags Off
- Fire Extinguisher Ready
- Power Off
- Secure & Exit Aircraft

Electrical Ground Fire

- Main Power & Alt Off
- Fuel Selector Off
- Mixture Off
- Mags Off
- Windows & Door Open
- Fire Extinguisher Ready
- Secure & Exit Aircraft

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Take Off

Line Up

- Confirm Clearance
- Check Traffic
- Confirm Runway

Normal

- Wind Correction Applied
- Yoke Full Forward
- Full Throttle
- Transition Tail Level
- Climb at AoA neutral

Short Field

- Wind Correction Applied
- Yoke Full Back Pressure
- Apply Full Throttle

Cruise

Configure

- Power Set
- Mixture Set
- Trim - Adjust
- Engine Instruments Check
- Navigation Set
- Radio Set
- Seat belts may be unfastened as needed

Descent

- Carb Heat as Required
- Enrich Mixture
- Power Reduced Slowly
- Adjust Trim

Landing

Pre Landing

- Airport ATIS/AWOS
- Monitor Airport Frequency
- Seat Belts On & Secure
- Mixture Fuel Rich
- Lights as Required
- Review Go Around Procedure
- Review After Landing Procedure
- Clearance/Comms

Go Around

- Mixture Rich
- Full Power
- Carb Heat Off
- AoA Neutral Positive Rate Climb

Air Emergencies

Power Loss After Takeoff & Climb-out

- Maintain Control
- Best Glide
- Pick Landing Spot
- Fuel Selector Off
- Mixture Off
- Master and Mags Off
- Door Unlatched

Power Loss In Flight

- Best Glide 75 MPH
- Carb Heat On
- Wind Direction & Velocity
- Pick Landing Spot
- Mixture Full Rich
- Fuel Selector On Both
- Fuel Primer Locked
- Magnetos Check
- Master On
- Attempt Engine Restart

If No Restart & Time Permits

- Best Glide 75 MPH
- SQUAWK 7700
- Declare Emergency 121.50
- Mixture Off
- Fuel Selector Off
- Seatbelts
- Slowest Speed Landing
- Master and Mags Off
- Door Unlatched

Ice

- Carb Heat On
- Full Power
- Mixture Set
- Cabin Heat Maximum
- Avoid Visible Moisture
- Land at Higher Speed

Electrical Fire

- Mags On
- All Electrical Devices Off
- Main & Alt Power Off
- Close Vents, Cabin Heat & Air
- Fire Extinguisher Ready
- If Required
 - Main power on
 - Enable required circuits one at a time
 - Only Reset Breaker Once

Engine Fire

- Mixture Off
- Fuel Selector Off
- Increase Airspeed to Extinguish
- Cabin Heat & Air Closed
- Land ASAP

Radio Out / Power Out

- SQUAWK 7600
- Use Handheld Radio
- Call Tower with Cell Phone
- Land

Normal Landing

- Mixture Rich
- Carb Heat On
- Reduce Throttle ~1500 RPM
- Trim for Stabilized Descent
- Lights Set

After Landing

- Carb Heat Off
- Trim Set for Takeoff
- Transponder Set
- ELT Check
- Lights as Required

Shutdown

- Throttle 1000 RPM
- Avionics Power Off
- Mixture Off
- Mags Off
- Check ELT Not Triggered
- All Power Switches Off
- Record Hobbs
- CO Detector Off
- Secure & Exterior Walk Around