

# POWER LOSS IN FLIGHT

Airspeed	<b>65MPH</b>
Carb Heat	<b>HOT</b>
Fuel Valve	<b>CHECK ON</b>
Primer	<b>CHECK LOCKED</b>
Ignition	<b>CHECK BOTH ON</b>
Transponder	<b>SQUAWK 7700</b>
Radio	<b>CALL MAYDAY</b>

# EMERGENCY LANDING

Throttle	<b>CLOSE</b>
Mixture	<b>CUT OFF</b>
Fuel Valve	<b>OFF</b>
Ignition	<b>BOTH OFF</b>
All Electrical	<b>OFF</b>
Door / Window	<b>UNLATCH</b>
Belts / Harnesses	<b>SECURE</b>

# ENGINE FIRE

Mixture	<b>CUT OFF</b>
Fuel Valve	<b>OFF</b>
Ignition	<b>BOTH OFF</b>
All Electrical	<b>OFF</b>
Fire Extinguisher	<b>USE</b>

# ELECTRICAL FIRE

All Electrical	<b>OFF</b>
Ignition	<b>LEAVE ON</b>
Air Vents/Windows	<b>OPEN AS NECESSARY</b>
Fire Extinguisher	<b>USE</b>

# ALTERNATOR FAILURE

Master Switch	<b>CYCLE ONLY ONCE</b>
Nonessential equipment	<b>TURN OFF</b>

# INITIAL

Fuel Quantity	<b>CHECK</b>
Oil Quantity	<b>CHECK</b>
Call for Fuel / Oil	<b>AS REQUIRED</b>
Paperwork	<b>CHECK</b>
Ignition	<b>BOTH OFF</b>
All Electrical	<b>OFF</b>
Master	<b>ON</b>
Lights	<b>CHECK</b>
Master	<b>OFF</b>
Fuel Valve	<b>ON</b>
Breakers	<b>CHECK</b>
Fuse Supply	<b>CHECK</b>
ELT	<b>CHECK ARMED</b>
Seat Belts	<b>CHECK SECURE</b>
Controls	<b>RELEASE</b>
Ties / Chains	<b>REMOVE</b>

# PREFLIGHT

Fuel Caps / Drains / Vents

Engine / Oil / Belt

Prop / Air Filter

Windshield

Exhaust System

Stall Indicator

Surfaces / Controls

Tap Tail for Debris

Struts / Wing Root / Drain Holes

Pitot / Static Ports

Gear / Tires / Brakes / Springs

Antennas / Belly Drain

Ties / Chocks / Towbar

# BEFORE STARTING

Fuel Sumps	<b>ALL DRAINED</b>
Fuel Quantity	<b>VERIFY</b>
Ties / Chains	<b>CHECK REMOVED</b>
Chocks	<b>CHECK REMOVED</b>
Prop	<b>CHECK CLEAR</b>
Fuel Caps	<b>CHECK SECURE</b>
Cowl Access	<b>CHECK SECURE</b>
Rear Belts	<b>SECURE IF SOLO</b>
WX / NOTAMs / TFRs	<b>CHECK</b>
Weight & Balance	<b>CHECK</b>
Headset	<b>MONO / STEREO</b>
Sunglasses	<b>AS REQUIRED</b>
ATIS / AWOS	<b>LISTEN</b>
Altimeter	<b>SET</b>
Departure Clearance	<b>AS REQUIRED</b>

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## PASSENGER BRIEF

Controls, Belts, Egress, No Smoking

# START

Door	<b>CLOSED</b>
Seats	<b>ADJUST</b>
Avionics	<b>OFF</b>
Carb Heat	<b>COLD</b>
Mixture	<b>RICH</b>
Throttle	<b>SLIGHT</b>
Prime	<b>AS REQUIRED</b>
Brakes	<b>HOLD</b>
Stick	<b>FULL AFT</b>
Master	<b>ON</b>
Beacon	<b>ON</b>
Ignition	<b>BOTH ON</b>
Starter	<b>ENGAGE</b>
Throttle	<b>1000RPM</b>
Oil Pressure	<b>25PSI IN 30SEC</b>
Timer / Tracker	<b>START</b>
Mixture	<b>LEAN</b>

# TAXI

Seat Belts	<b>SECURE</b>
Heat / Vents	<b>AS REQUIRED</b>
Avionics	<b>ON</b>
Transponder	<b>ALT</b>
ADS-B	<b>ON</b>
Taxi Clearance	<b>AS REQUIRED</b>
Brakes	<b>TEST</b>
Mixture	<b>CHECK LEAN</b>

# TAKEOFF

Mixture	<b>BEST POWER</b>
Carb Heat	<b>COLD</b>
Transponder	<b>ALT</b>
Doors / Windows	<b>CHECK</b>
Landing Light	<b>ON</b>

# RUN-UP

Flight Controls	<b>FREE / CORRECT</b>
Instruments	<b>CHECK</b>
Mixture	<b>BEST POWER</b>
Primer	<b>LOCKED</b>
Trim	<b>SET TAKEOFF</b>
Stick	<b>FULL AFT</b>
Throttle	<b>1800RPM</b>
Magnetos	<b>175RPM / 50RPM</b>
Carb Heat	<b>TEST</b>
Ammeter	<b>CHECK</b>
Oil Pressure	<b>60 - 100 PSI</b>
Oil Temperature	<b>100F - 245F</b>
Throttle	<b>IDLE CHECK</b>
Throttle	<b>1000RPM</b>



# CRUISE

Oil Temp: 100 min, 180 desired, 245 max

Oil Pressure: 60 - 90 PSI

CHT: 400/435 continuous, 500 max

7ECA:

025 26/5.9@113 25/5.2@108 21/3.7@92

050 27/6.3@118 26/5.6@114 21/3.6@90

075 27/5.9@119 26/5.2@114 22/3.6@92

7GCAA:

025 26/8.5@126 25/7.6@121 20/4.0@90

050 26/8.7@126 26/7.1@121 20/3.8@88

075 27/8.1@130 26/7.3@125 20/3.6@84

*Approach, N12345, over the XYZ VOR, request flight following to XXX, type NNN, altitude YYYY climbing/descending ZZZZ*

# LANDING

Fuel Quantity	<b>CHECK</b>
Brakes	<b>CHECK FIRM</b>
Mixture	<b>BEST POWER</b>
Belts / Harnesses	<b>SECURE</b>

# AFTER LANDING

Carb Heat	<b>COLD</b>
Mixture	<b>LEAN</b>
Trim	<b>SET TAKEOFF</b>
Transponder	<b>ALT 1200</b>

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## WHAT ARE YOU FORGETTING?

Stratux, Cameras, iPad, Phone, Headset,  
Jacket, Sunglasses, Checklists, Foggles,  
Kneeboard, Timer, Charts, Passenger(s),  
Litter, Tach Book, Radios

# SHUTDOWN

Avionics	<b>OFF</b>
Mixture	<b>CUT OFF</b>
Ignition	<b>BOTH OFF</b>
Lights	<b>ALL OFF</b>
Master	<b>OFF</b>
Timer / Tracker	<b>STOP</b>

# FINAL

Chocks	<b>IN PLACE</b>
Ties / Chains	<b>SECURE</b>
Flight Controls	<b>SECURE</b>
Hobbs Time	<b>RECORD</b>
Ignition	<b>BOTH OFF</b>
All Electrical	<b>OFF</b>
Windows / Vents	<b>CLOSED</b>
Cabin Door	<b>LOCKED</b>