C172SP (G1000)
Cessna Skyhawk Checklist
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This checklist is only for training purposes in Coast Flight Training aircraft and is not intended to replace the POH.
Refer also to the POH in an actual emergency. All previous checklists are Superseded. (Version 1 - 12/6/16)
Preflight Actions

RAMP OUT .................................................. COMPLETE
WEATHER .................................................. CHECK
EQUIPMENT REQUIRED .................................. CHECK
FUEL ............................................................ AS REQUIRED
OIL 6-8 Qt .................................................... CHECK
PITOT COVER ................................................ REMOVE
WEIGHT & BALANCE ........................................... COMPUTE
TAKEOFF / LANDING DISTANCE ................................ COMPUTE
FLIGHT PLAN .................................................. FILED, AS REQUIRED
ROUTE/PLAN ................................................ BRIEFED

INTERIOR

FIRE EXTINGUISHER ........................................... CHECK
POH/AFM ......................................................... CHECK
AIRCRAFT DOCUMENTS ........................................ CHECK
CONTROL WHEEL LOCK ...................................... REMOVE
ALTERNATE STATIC SOURCE ................................ OFF
CIRCUIT BREAKERS ............................................. CHECK IN
MAGNETOS ......................................................... OFF
AVIONICS SWITCH (BUS 1&2) ................................ OFF
MASTER SWITCH (ALT&BATT) ................................ ON
PRIMARY FLIGHT DISPLAY ................................. VERIFY ON
FUEL QUANTITY ................................................ CHECK
ANNUNCIATOR PANEL ......................................... CHECK
  LOW FUEL ....................................................... CHECK
  OIL PRESSURE ................................................ CHECK
  LOW VOLTS .................................................... CHECK
  LOW VACUUM ................................................ CHECK
AVIONICS SWITCH (BUS 1) ................................... ON
FORWARD AVIONICS FAN ................................. CHECK OPERATION
AVIONICS SWITCH (BUS 1) .................................. OFF
AVIONICS SWITCH (BUS 2) .................................. ON
AFT AVIONICS FAN .................................. CHECK OPERATION
AVIONICS SWITCH (BUS 2) .................................. OFF
PITOT HEAT .................................. EXTERIOR CHECK
ALL LIGHTS .................................. EXTERIOR CHECK
FLAPS .................................. LOWER INCREMENTALLY
MASTER SWITCH .................................. OFF

EXTERIOR-EMPENNAGE

ANTENNAS .................................. CHECK
BAGGAGE DOOR .................................. CHECK
EMPENNAGE .................................. CHECK SURFACE CONDITION
CONTROL SURFACES & TRIM .................................. CHECK

EXTERIOR-RIGHT WING

RIGHT WING .................................. CHECK SURFACE CONDITION
FLAP & HINGES .................................. CHECK
AILERON & HINGES .................................. CHECK
STATIC WICKS .................................. CHECK
WINGTIP & LIGHTS .................................. CHECK
FUEL TANK .................................. CHECK QUANTITY/SECURE CAP
FUEL TANK VENT .................................. CHECK
FUEL TANK SUMPS (5) .................................. DRAIN & CHECK
MAIN GEAR TIRE/BRAKE PADS/DISC .......................... CHECK

EXTERIOR-NOSE

GENERAL CONDITION .................................. CHECK
COWLING...............................................................SECURE
WINDSHIELD ......................................................CLEAN
OIL LEVEL ...........................................................6-8 QTS
PROPELLER & SPINNER .........................................CHECK
ENGINE AIR INLETS/FILTER .................................CLEAR
ENGINE BAFFLE SEALS .........................................CHECK
CHOCK .......................................................................REMOVE
NOSE GEAR/TIRE/BRAKE PADS/DISC ......................CHECK
FUEL SUMPS (3) .......................................................CHECK
STATIC SOURCE OPENING .......................................CHECK

EXTERIOR-LEFT WING

LEFT WING .........................................................CHECK SURFACE CONDITION
FUEL TANK .........................................................CHECK QUANTITY/SECURE CAP
FUEL TANK VENT ..................................................CHECK
FUEL TANK SUMPS (5) ...........................................DRAIN & CHECK
STALL WARNING HORN .......................................CHECK CLEAR
PITOT TUBE ..........................................................CHECK
MAIN GEAR/TIRE/BRAKE PADS/DISC .....................CHECK
TIE DOWN & CHOCK ..............................................REMOVE
WINGTIP & LIGHTS ...............................................CHECK
AILERON & HINGES ...............................................CHECK
FLAP & HINGES ....................................................CHECK
STATIC WICKS .....................................................CHECK
## Before Start

**PREFLIGHT INSPECTION**
**COMPLETE**

**WT&BAL, DOCS, PERFORMANCE**
**COMPLETE**

**CHECK**

**PASSENGER BRIEF**
- PIC Authority,
- Seats & Seatbelts,
- Air,
- Fire Extinguisher,
- Emergency Exit,
- Talking (Sterile Cockpit),

Your Questions .................................................................**COMPLETE**

**SEATS / SEATBELTS** .................................................................**LOCKED / FASTENED**

**MAGNETOS** .........................................................................**OFF**

**ELECTRICAL SWITCHES** .........................................................**OFF**

**AVIONICS SWITCH (BUS 1&2)** ...............................................**OFF**

**FUEL SELECTOR** ....................................................................**BOTH**

**FUEL SHUTOFF** ....................................................................(PUSH IN) ON

**STANDBY BATTERY SWITCH** ..................................................**TEST -20 SEC- ARM**

**ENGINE INDICATION SYSTEM** ...............................................**CHECK**

- **BUS E VOLTS** ..........................................................VERIFY 24V MIN
- **M BUS VOLTS** ..........................................................VERIFY 1.5V MAX
- **BATTERY S AMPS** ..................................................VERIFY DISCHARGE
- **STDBY BATT ANNUNCIATOR** ..................................VERIFY ON
- **NO RED ENG X'S** ..........................................................VERIFY

**MASTER SWITCH (ALT & BATT)** .............................................**ON**

**BEACON** .............................................................................**ON**

**NAV LIGHTS** .........................................................................**AS REQUIRED**
Normal Engine Start

BRAKES ..........................................................SET/HOLD
THROTTLE .................................................. 1/4" OPEN
MIXTURE ...................................................... IDLE/CUTOFF
FUEL PUMP .................................................. ON

COLD ENGINE
MIXTURE ........................................... RICH 3-5 SECONDS
VERIFY FUEL FLOW IS STABLE, THEN CUTOFF
WARM ENGINE
MIXTURE ................................. RICH 1 SECOND THEN CUTOFF

FUEL PUMP .................................................. OFF
PROP AREA .................................................. CLEAR
MAGNETO SWITCH ....................... (10 Second Max.) START
MIXTURE .................................................. RICH
ADVANCE SMOOTHLY FORWARD AS ENG STARTS

WHEN ENGINE STARTS
THROTTLE .................................................. 1000 RPM
OIL PRESSURE ................................. CHECK GREEN
MIXTURE .................................................. SLIGHTLY LEAN
AMPS (M BATT & S BATT) ........... CHECK (POS)
LOW VOLTS ANNUNCIATOR .............. VERIFY NONE
FLAPS ...................................................... UP
Engine Fire During Start

If engine has not started:
- MIXURE ........................................ CUTOFF
- THROTTLE ..................................... OPEN
- STARTER ..................................... CONTINUE CRANKING

If engine has started and is running:
- THROTTLE ................................. 1800 RPM (for a few minutes)
- ENGINE ........................................ SHUTDOWN

If engine fire continues to burn:
- THROTTLE ........................................ FULL
- MIXTURE ........................................ CUT OFF
- FUEL SHUTOFF ............................... OFF
- FUEL PUMP ..................................... OFF
- MAGNETOS ..................................... OFF
- STBY BATT SWITCH ............................ OFF
- MASTER SWITCH (ALT & BATT) .............. OFF
- ENGINE ........................................ SECURE
- FIRE EXTINGUISHER .......................... OBTAIN/USE
- AIRPLANE ..................................... EVACUATE
### After Start

<table>
<thead>
<tr>
<th>Task</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVIONICS SWITCH (BUS 1 &amp; 2)</td>
<td>ON</td>
</tr>
<tr>
<td>RADIOS/AVIONICS</td>
<td>CHECK/SET</td>
</tr>
<tr>
<td>ALTIMETER</td>
<td>OBTAIN/SET(2X)</td>
</tr>
<tr>
<td>GPS</td>
<td>SET</td>
</tr>
<tr>
<td>NAVS</td>
<td>SET</td>
</tr>
<tr>
<td>FLIGHT INSTRUMENTS (PFD &amp; STBY)</td>
<td>CHECK</td>
</tr>
<tr>
<td>PFD/MFD BACKUP</td>
<td>CHECK/AS REQUIRED</td>
</tr>
<tr>
<td>CLEARANCE</td>
<td>OBTAIN</td>
</tr>
<tr>
<td>TRANSPONDER</td>
<td>SET / 1200</td>
</tr>
<tr>
<td>TAXI ROUTE</td>
<td>OBTAIN &amp; BRIEF</td>
</tr>
<tr>
<td>LIGHTS</td>
<td>AS REQUIRED</td>
</tr>
</tbody>
</table>

### After Start Complete

### Taxi Check

<table>
<thead>
<tr>
<th>Task</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAXI AREA</td>
<td>CLEAR</td>
</tr>
<tr>
<td>BRAKES</td>
<td>RELEASE</td>
</tr>
<tr>
<td>BRAKES/STEERING</td>
<td>CHECK</td>
</tr>
<tr>
<td>FLIGHT INSTRUMENTS (PFD &amp; STBY)</td>
<td>CHECK OFF RAMP (PFD &amp; STANDBY)</td>
</tr>
</tbody>
</table>

### Taxi Check Complete

### Note:
- Have airport diagram available.
- Do not hesitate to request progressive taxi instructions.
- Check for traffic before crossing any runway hold line or entering a taxiway. Announce: "Clear left, center, and right."
### Run Up

<table>
<thead>
<tr>
<th>Task</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRAKES</td>
<td>SET</td>
</tr>
<tr>
<td>RUN-UP AREA</td>
<td>CLEAR</td>
</tr>
<tr>
<td>FUEL SELECTORS</td>
<td>BOTH</td>
</tr>
<tr>
<td>THROTTLE</td>
<td>1800 RPM</td>
</tr>
<tr>
<td>MAGNETOS</td>
<td>(150 Max. Drop, Max Diff. 50 RPM) CHECK</td>
</tr>
<tr>
<td>ENGINE INSTRUMENTS</td>
<td>CHECK/GREEN</td>
</tr>
<tr>
<td>VAC INDICATOR</td>
<td>CHECK</td>
</tr>
<tr>
<td>AMMETER &amp; VOLTMETER</td>
<td>CHECK POSITIVE</td>
</tr>
<tr>
<td>ANNUNCIATORS</td>
<td>CHECK (NONE)</td>
</tr>
<tr>
<td>ALTERNATE AIR</td>
<td>CHECK</td>
</tr>
<tr>
<td>THROTTLE</td>
<td>IDLE CHECK</td>
</tr>
<tr>
<td>THROTTLE</td>
<td>1000 RPM</td>
</tr>
<tr>
<td>MIXTURE</td>
<td>SLIGHTLY LEAN</td>
</tr>
</tbody>
</table>

### Pre-Takeoff Brief (Standard Procedures)

<table>
<thead>
<tr>
<th>Task</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Failure or Abnormality during Takeoff Roll:</td>
<td></td>
</tr>
<tr>
<td>IMMEDIATELY CLOSE THROTTLE</td>
<td></td>
</tr>
<tr>
<td>MAINTAIN DIRECTIONAL CONTROL</td>
<td></td>
</tr>
<tr>
<td>BRAKE AS REQUIRED</td>
<td></td>
</tr>
<tr>
<td>If Not Enough Runway Remains:</td>
<td></td>
</tr>
<tr>
<td>CLOSE MIXTURE/FUEL SHUTOFF</td>
<td></td>
</tr>
<tr>
<td>TURN OFF MAGNETOS/MASTER SWITCH/STBY BATT SWITCH</td>
<td></td>
</tr>
<tr>
<td>Failure Immediately after Takeoff:</td>
<td></td>
</tr>
<tr>
<td>AIRSPEED</td>
<td>BEST Glide</td>
</tr>
<tr>
<td>MIXTURE/FUEL SHUTOFF</td>
<td>OFF</td>
</tr>
<tr>
<td>MAGNETOS</td>
<td>OFF</td>
</tr>
<tr>
<td>STBY BATT SWITCH/MASTER SWITCH</td>
<td>OFF</td>
</tr>
<tr>
<td>CABIN DOOR</td>
<td>UNLATCH</td>
</tr>
<tr>
<td>LAND</td>
<td>BEST FIELD</td>
</tr>
</tbody>
</table>
Before Takeoff

PRE-TAKEOFF BRIEF .................................. COMPLETE
FLIGHT CONTROLS .................................. FREE & CORRECT
FLIGHT INSTRUMENTS ................................. CHECK
STBY FLIGHT INSTRUMENTS ....................... CHECK
FUEL QTY ............................................ CHECK/SUFFICIENT
FUEL SELECTOR ................................. VERIFY BOTH
TRIM ..................................................... SET
FLAPS ................................................... SET
COURSE ............................................. SET/VERIFY
GPS ..................................................... SET/VERIFY

DEPARTURE BRIEF
  Initial Altitude, Heading & Course Set
  Brief Departure Procedure ...................... COMPLETE
MIXTURE ............................................. FULL FWD
ENGINE INSTRUMENTS ............................ CHECK/GREEN
SEAT BACKS ....................................... ERECT
SEAT BELTS & SHOULDER HARNESS .......... FASTENED

Before Takeoff Checklist Complete

Line Up Checklist

DOORS & WINDOWS .................................. SECURE
ALL LIGHTS ........................................... ON
TRANSPONDER ................................... ALT/CODE

Lineup Checklist Complete
Engine Failure During Takeoff

BEFORE ROTATION
ABORT TAKEOFF—MAINTAIN DIRECTIONAL CONTROL—AVOID OBSTACLES
THROTTLE ................................................ IDLE
BRAKES .................................................. APPLY
FLAPS .................................................. RETRACT
MIXTURE ................................................. CUT OFF
MAGNETOS ............................................. OFF
STBY BATT SWITCH .................................. OFF
MASTER SWITCH (ALT & BATT) ...................... OFF
STOP STRAIGHT AHEAD

AFTER ROTATION BELOW 1000 FT AGL
AIRSPEED .......... 70 KIAS (FLAPS UP)/65 KIAS (FLAPS DOWN)
TURN .................................. WITHIN 30°/BEST FIELD
FUEL SHUTOFF/MIXTURE .............. PULL OUT/CUT OFF
MAGNETOS ............................................. OFF
FLAPS ............................................. AS REQUIRED
STBY BATT SWITCH .................................. OFF
MASTER SWITCH (ALT & BATT) .............. OFF
CABIN DOOR ........................................... UNLATCH

AFTER ROTATION ABOVE 1000 FT AGL
AIRSPEED .......................... MAINTAIN GLIDE SPEED
TURN .................................. 180°/ANY HARD SURFACE FUEL
SHUTOFF/MIXTURE .............. PULL OUT/CUT OFF
MAGNETOS ............................................. OFF
FLAPS ............................................. AS REQUIRED
STBY BATT SWITCH .................................. OFF
MASTER SWITCH (ALT & BATT) .............. OFF
CABIN DOOR ........................................... UNLATCH
Climb (1000' AGL)

POWER .................................................. VERIFY FULL
FLAPS ............................................................ UP
MIXTURE (FULL RICH BELOW 3000 FT) .............. AS REQ
AIRSPEED .................................................. Vx/Vy/AS REQ

Climb Checklist Complete

Cruise

POWER .................................................. SET per POH
MIXTURE .................................................. LEAN AS REQUIRED
ENGINE INSTRUMENTS .......................... CHECK
TRIM .......................................................... SET
LDG LIGHT ................................................. OFF
NAV LIGHT ................................................. OFF/AS REQ.

Cruise Checklist Complete

Pre-Maneuver

INSTRUMENTS ........................................ GREEN
POSITION ........................................ NEAREST EMERGENCY FIELD
CLEARING TURNS ................................. EXECUTE
CALL ........................................................ COMPLETE
CONFIGURE ........................................ CHECK/VERIFY
FUEL SELECTOR ................................ BOTH
MIXTURE ............................................... FULL RICH
ALL LIGHTS .............................................. ON

Pre-Maneuver Checklist Complete
Precautionary Landing with Engine Power

LANDING AREA .................................................. SELECT/INSPECT
AIRSPEED .......................................................... 65 KIAS
WHEN LANDING IS ASSURED
FLAPS .......................................................... AS REQUIRED(FULL)
STBY BATT SWITCH ............................................... OFF
MASTER SWITCH (ALT & BATT) ........................................... OFF
DOORS .......................................................... UNLATCH
MIXTURE CONTROL ............................................... CUTOFF
MAGNETOS .......................................................... OFF
BRAKES .......................................................... APPLY AS REQUIRED (HEAVY)

Emergency Landing With No Engine Power

LANDING AREA .................................................. SELECT
AIRSPEED .......................................................... 70 KIAS (FLAPS UP)/65 KIAS (FLAPS DOWN)
WHEN LANDING IS ASSURED
FUEL SHUTOFF/MIXTURE ................................ PULL OUT/CUTOFF
MAGNETOS .......................................................... OFF
FLAPS .......................................................... AS REQUIRED (REC. FULL)
STBY BATT SWITCH ............................................... OFF
MASTER SWITCH (ALT & BATT) ........................................... OFF
DOORS .......................................................... UNLATCH
BRAKES .......................................................... APPLY AS REQUIRED (HEAVY)

Engine Failure During Flight Restart Procedure

AIRSPEED .......................................................... 68 KIAS
FUEL SHUTOFF/SELECTORS ........................................... PUSH IN/both
FUEL PUMP .......................................................... ON
MIXTURE .......................................................... RICH
MAGNETOS .......... BOTH (START IF PROPELLER IS STOPPED)
FUEL PUMP .......................................................... OFF/CHK PRESSURE
**Engine Fire In Flight**

- MIXTURE..........................................................CUTOFF
- FUEL SHUTOFF ................................................OFF
- FUEL PUMP ........................................................OFF
- MASTER SWITCH (ALT & BATT)............................OFF
- CABIN HEAT & AIR ..........................................OFF
- AIRSPEED.........................................................INCREASE TO EXT FIRE
- PROCEED TO EMERGENCY LANDING

**Electrical Fire in Flight**

- STBY BATT SWITCH ............................................OFF
- MASTER SWITCH (ALT & BATT) .........................OFF
- VENTS, CABIN HEAT, & AIR ............................OFF
- FIRE EXTINGUISHER ........................................OBTAIN/USE
- AVIONICS (BUS 1 & 2) ......................................OFF
- ALL OTHER SWITCHES (EXCL MAGS) .................OFF
- WHEN FIRE IS OUT
- CABIN..............................................................VENTILATE
- IF ELECTRICAL POWER IS REQUIRED
- CIRCUIT BREAKERS ...........................................CHECK (DO NOT RESET)
- MASTER SWITCH (ALT & BATT) .........................ON
- STBY BATT SWITCH ............................................ON
- AVIONICS (BUS 1) ..............................................ON
- AVIONICS (BUS 2) ..............................................ON
- LAND AS SOON AS POSSIBLE
Cabin Fire

<table>
<thead>
<tr>
<th>Item</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>STBY BATT SWITCH</td>
<td>OFF</td>
</tr>
<tr>
<td>MASTER SWITCH (ALT &amp; BATT)</td>
<td>OFF</td>
</tr>
<tr>
<td>VENTS, CABIN HEAT, &amp; AIR</td>
<td>OFF</td>
</tr>
<tr>
<td>FIRE EXTINGUISHER</td>
<td>OBTAIN/USE</td>
</tr>
</tbody>
</table>

**WHEN FIRE IS OUT**

CABIN................................................. VENTILATE

**LAND AS SOON AS POSSIBLE**

Wing Fire

<table>
<thead>
<tr>
<th>Item</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANDING &amp; TAXI LIGHTS</td>
<td>OFF</td>
</tr>
<tr>
<td>NAV LIGHTS</td>
<td>OFF</td>
</tr>
<tr>
<td>STROBE LIGHTS</td>
<td>OFF</td>
</tr>
<tr>
<td>PILOT HEAT</td>
<td>OFF</td>
</tr>
</tbody>
</table>

**LAND AS SOON AS POSSIBLE**

Perform a sideslip maneuver to keep the flames away from the fuel tank and cabin. Land as soon as possible using flaps only as required for final approach and touchdown.

CO Lvl High Annunciator

<table>
<thead>
<tr>
<th>Item</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABIN HEAT</td>
<td>OFF</td>
</tr>
<tr>
<td>CABIN AIR</td>
<td>ON</td>
</tr>
<tr>
<td>CABIN VENTS</td>
<td>OPEN</td>
</tr>
<tr>
<td>CABIN WINDOW (A/S &lt; 163 KIAS)</td>
<td>OPEN</td>
</tr>
</tbody>
</table>

**CO LVL HIGH ANNUNCIATOR REMAINS ON**

LAND..............................................AS SOON AS PRACTICAL
High Volts Annunciator
MASTER SWITCH (ALT ONLY).................................OFF
ELEC. LOAD REDUCTION CHECKLIST ............ COMPLETE

Low Volts Annunciator
MASTER SWITCH (ALT ONLY).................................OFF
ALTERNATOR CIRCUIT BREAKER ......................CHECK IN
MASTER SWITCH (ALT & BATT)..............................ON
LOW VOLTS ANNUNCIATOR ......................... CHECK OFF
M BUS VOLTS ............................................. CHECK (27.5V MIN)
M BATT AMPS .......................................... CHECK (POSITIVE)
IF LOW VOLTS ANNUNCIATOR REMAINS ON
MASTER SWITCH (ALT ONLY).................................OFF
ELEC. LOAD REDUCTION CHECKLIST ............ COMPLETE

Electrical Load Reduction
ELECTRICAL LOAD ...........................................REDUCE
AVIONICS SWITCH (BUS 1) ......................... OFF
PITOT HEAT .........................................................OFF
ALL LIGHTS ...................................................... OFF (UNLESS REQ FOR SAFETY)
CABIN POWER 12V ...........................................OFF
COM1 & NAV1 ..................................................... TUNE TO ACTIVE
COM1 & MIC 1 ......................................................SELECT
AVIONICS SWITCH (BUS 2) ......................... OFF (UNLESS IN IMC)

LAND AS SOON AS PRACTICAL

With Avionics Switch Bus 2 off, the following items will not be operable:
KAP 140 Autopilot, Comm2, GTX33 Transponder, GMA1347 Audio Panel, Nav2, GDU 1040 MFD.

Inputting flaps requires a large amount of electrical power. Make sure landing is assured before extending flaps.
Spin Recovery

THROTTLE................................................IMMEDIATELY CLOSED
AILERONS .................................................. NEUTRALIZE
RUDDER................................................FULL/OPPOSITE
ELEVATOR CONTROL......................BRISK FORWARD MOTION
............................................................. WHEN ROTATION STOPS
RUDDER...................................................... NEUTRALIZE
ELEVATOR CONTROL......................LEVEL SMOOTHLY
............................................................. WHEN STRAIGHT AND LEVEL
THROTTLE..................................................AS APPROPRIATE
.............................................................RECOVER ALTITUDE/HEADING AS REQUIRED

Low Vacuum Annunciator

VACUUM INDICATOR..............................................................CHECK

If Vacuum pointer is out of the green arc during flight or the gyro flag is shown on the standby attitude indicator, the standby attitude indicator cannot be used for attitude information.

Fuel Flow Stabilization: Excessive Fuel Vapor

If flow fluctuations of 1 GPH or more, or power surges occur:

FUEL PUMP ..................................................ON
MIXTURE ..................................................ADJUST

IF SYMPTONS CONTINUE
FUEL SELECTOR ......................SELECT OPPOSITE TANK
IF FUEL FLOW HAS STABILIZED

FUEL PUMP .................................................OFF
IF FUEL FLOW DOES NOT STABILIZE, LAND AS SOON AS PRACTICAL
Static Source Blockage

ALT STATIC AIR ........................................ PULL ON
CABIN HEAT & AIR KNOBS .......................... PULL ON
VENTS .................................................. CLOSED

Refer to POH for Alternate Static Source Corrections

PFD1 or MFD1 Cooling Annunciator

CABIN HEAT ........................................ REDUCE/ OFF
FORWARD AVIONICS FAN ............................... CHECK
Feel for airflow from screen on glareshield

If FORWARD Avionics Fan has Failed
STBY BATT SWITCH ................................. OFF
If annunciator does not go OFF within 3 mins or if both
PFD1 and MFD1 Cooling annunciators come on
STBY BATT SWITCH ................................. OFF
LAND AS SOON AS PRACTICAL

RED X – PFD ASI/ALT/AI/HSI

ADC/AHRS CIRCUIT BREAKER .......................... CHECK IN
If open, reset. If opens again, do not reset.

Failed Instrument

STBY ASI ........................................ USE FOR AIRSPEED
STBY ALTIMETER ................................. USE FOR ALTITUDE
VERIFY CURRENT ALTIMETER SETTING
STBY ATT INDICATOR .......................... USE FOR ATTITUDE
MAGNETIC COMPASS .......................... USE FOR HEADING
### In Range / Descent

- ATIS/AWOS
- Obtain
- Altimeter (PFD & STBY)
- Set
- Approach Brief
- Complete
- Radios/Navs/GPS/HSI
- Set
- Seats/Seat belts
- Locked/Fastened
- All lights
- On
- Throttle
- Set/AS REQUIRED
- Mixture
- Adjust/SLIGHTLY ENRICH
- Fuel selector
- BOTH

---

### Descent Checklist Complete

## Approach Check

- Brakes
- Check
- Gas
- Verify both/shutoff in
- Undercarriage
- Locked
- Mixture
- Full rich
- Pump
- AS REQUIRED
- Seats/Seatbelts
- Check/Secure
- Switches
- AS REQUIRED

---

### Approach Check Complete

## Go-Around/Missed Approach

- Throttle
- Full
- Flaps
- Up Incrementally
- Mixture (Full rich below 3000 FT)
- As Req
- Airspeed
- Vx/Vy/AS Req

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### Go-Around/Missed Approach Complete
Pattern Work
Condensed Checklists for Pattern Practice

### Before Takeoff In Pattern
- **FUEL GAUGES/QTY** ................. CHECK/SUFFICIENT
- **FUEL SELECTOR** ...................... VERIFY BOTH
- **TRIM** ..................................... SET/NEUTRAL
- **FLAPS** .................................. SET
- **MIXTURE** ................................... FULL RICH
- **ENGINE INSTRUMENTS** .............. CHECK
- **SEAT BELTS & SHOULDER HARNESS** ........ FASTENED

Checklist Complete

### Before Landing Checklist
- **FUEL SELECTOR** ..................... VERIFY BOTH
- **MIXTURE** ................................ FULL RICH

### Full Stop Taxi Back
- **TRIM** ...................................... CENTERED
- **FLAPS** ..................................... UP
- **MIXTURE** .................................. SLIGHTLY LEAN
- **TAXI CLEARANCE** ...................... OBTAIN & BRIEF

### Go-Around/Rejected Landing
- **POWER** .................................. VERIFY FULL
- **FLAPS** ..................................... UP INCREMENTALLY
- **MIXTURE** (FULL RICH BELOW 3000 FT) ................ AS REQ
- **AIRSPEED** .............................. Vx/Vy/AS REQ
Normal Post-Flight Procedures

<table>
<thead>
<tr>
<th>After Landing (Stopped)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAPS.......................... UP</td>
</tr>
<tr>
<td>TRIM.......................... NEUTRAL</td>
</tr>
<tr>
<td>TRANSPONDER.................. 1200</td>
</tr>
<tr>
<td>LIGHTS.......................... AS REQUIRED</td>
</tr>
<tr>
<td>MIXTURE........................ SLIGHTLY LEAN</td>
</tr>
<tr>
<td>CLEARANCE...................... OBTAIN</td>
</tr>
<tr>
<td>TAXI ROUTE..................... BRIEFED</td>
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</tbody>
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After Landing Checklist Complete

<table>
<thead>
<tr>
<th>Shutdown Terminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVIONICS SWITCH (BUS 1&amp; 2).............. OFF</td>
</tr>
<tr>
<td>ELECTRICAL SWITCHES................. OFF</td>
</tr>
<tr>
<td>THROTTLE............................. IDLE</td>
</tr>
<tr>
<td>MIXTURE............................... CUTOFF</td>
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WAIT FOR ENGINE TO STOP

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>MAGNETOS.............. OFF</td>
</tr>
<tr>
<td>MASTER SWITCH............. OFF</td>
</tr>
<tr>
<td>ENGINE TACH TIME........... RECORD</td>
</tr>
<tr>
<td>STBY BATT SWITCH......... OFF</td>
</tr>
<tr>
<td>HOBBs TIME............... RECORD</td>
</tr>
<tr>
<td>CABIN INTERIOR............ CLEAN</td>
</tr>
<tr>
<td>DOORS / WINDOWS.......... CLOSE &amp; LOCK</td>
</tr>
<tr>
<td>TIE DOWNS/CHOCKS.......... SECURE</td>
</tr>
<tr>
<td>POST FLIGHT INSPECTION.... COMPLETE</td>
</tr>
</tbody>
</table>

Shutdown Terminate Complete